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79

Ross Bros.

Annual Catalogue

OF

Seeds and Implements

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1905

1905

SEEDS, GARDEN & FLOWER SEEDS
AGRICULTURAL IMPLEMENTS
FERTILIZERS & WOODENWARE
WHOLESALE & RETAIL

Street Scene and View of Our Store

90 and 92 Front Street

Worcester, Mass.

The Largest Strictly Agricultural Tool and Seed House in New England.

WE MEAN by the above statement that we have more feet of floor space devoted to agricultural interests than any other house. We are in no sense a wholesale woodenware or hardware house, but strictly agricultural in all branches.

Following our usual custom about this season of the year, we are sending you our Annual Seed and Implement Catalogue, showing you our large line of agricultural and horticultural goods, and in looking it through you will find, we trust, many new things of interest to you. We are always on the alert for improvements in both farming tools and new varieties of seeds. To those whom we were obliged to disappoint last season because we did not receive their orders earlier, we want to say that we have provided more abundantly than usual this year and hope to supply all who wish to plant our seeds. We have added several new pages in both seeds and tools and could print many more if we had room. We have several departments to which we wish to especially call your attention.

FARM SEEDS. For the past twenty years our firm has made a specialty of securing seeds for the farm, such as ensilage corn, oats, barley, millets, grains and grass seed. We handle these goods not only by the car load, but almost by the train load, and we aim to have all of the reliable varieties. Careful inspection will show you what we have and what our prices are.

SEEDS FOR THE MARKET GARDENER. We have strains of seeds grown especially for us and are constantly improving them. Market gardeners should write us for special prices in large lots, for we are in a position to furnish such as low as anyone.

SEED POTATOES. Our stock of seed potatoes is all grown in Aroostook County, Maine. It is carefully housed in frost-proof buildings until weather will permit safe shipments in the spring. The stock is grown especially for seed. We do not deal in cooking stock and cannot compete with that grade of goods in price.

FLOWER SEEDS. With few exceptions we import all of our stock of flower seeds from the most reliable growers across the water. We offer several specialties this season which are worthy of a trial.

FERTILIZERS AND FERTILIZING MATERIALS. We handle these goods in any quantity from a single bag to a carload, and handle annually several hundred tons. In carload lots we can shade our printed price, and to large buyers we will be pleased to quote net price.

AGRICULTURAL TOOLS. This is one of our largest departments and requires nearly one-half acre of floor space to store and exhibit them. Our assortment is the largest of any house east of the Mississippi River and our prices are always reasonable.

POULTRY SUPPLIES. We devote seven pages of this catalogue to description and price on these goods. We are sole manufacturers of the celebrated Wyandotte Chicken Food and Every Day Scratch Food, the two most popular brands of feed on the market.

Our business is the selling at both wholesale and retail of the above. We always consider it a favor for our customers to call our attention to anything that is not right rather than to let it go unnoticed. We want to know that our customers are satisfied, and we will refund the money on any purchase that is not as represented.

The advantages for purchasing goods by mail are increasing each year, and with our catalogue for reference no distance is too great to prevent trying our seeds. Our facilities for the prompt shipment of goods are unsurpassed by any other seed house. We make no charge for boxing or crating, only in extreme cases where the profit is so small it is absolutely necessary.

To all of our old customers we wish to extend our sincere thanks for their past favors, and to all who have never tested our seeds or our ways of doing business we ask to give us a trial. We are confident that we shall be friends ever after.

Wishing you a prosperous season, we remain,

Yours, ROSS BROTHERS,
90 & 92 Front St., Worcester, Mass.

February 15, 1905.

A Few Things of Importance that We Wish Our Customers to Read.

WE WARRANT OUR SEEDS just as far as it is possible for us to do so.

WHAT WE GUARANTEE. That all seeds sold by us shall be as represented; should they prove otherwise, we will refill the order gratis, but we cannot guarantee the crop further, as there are so many causes over which we have no control, that let seeds be ever so fresh, weather and circumstances may cause a total failure, and while we use the greatest care to have all seeds pure and reliable, we do not give any warrant, expressed or implied. If the purchaser does not accept the seed on these terms they must be returned at once, and the money paid for them will be refunded.

C. O. D. ORDERS. Parties ordering goods to be sent C. O. D. must enclose with the order one-third of the amount, as a guarantee that they will accept the goods upon arrival; and all C. O. D. goods must go by express, as railroad companies will not do any collecting.

EXTRA PARTS. Parties sending us broken castings for patterns on repair orders must prepay express charges, as we cannot afford to pay express on old castings.

BAGS USED IN SHIPPING SEED. Two bushel bags, 20 cents; all other sizes, unless otherwise noted, 10 cents, which may be returned, provided they are in good condition and return express charges prepaid. Returned bags must always have the name of the sender on the tag.

HOW TO ORDER. Give your name, town, state and county, and do not forget the post-office, as that is the most important of all.

TERMS. As there are no means of our ascertaining the financial standing of farmers at a distance, we must have cash with the order or some satisfactory bank reference, but the liberal discount we offer for cash will more than pay the customer for sending the money when they order the goods.

HOW TO SEND MONEY. There are a number of safe ways to send money by mail. Either by an Express or Post Office Money Order, or send check on your bank. We are not particular how it comes, as long as we receive it. Stamps are always acceptable, and very handy to send on small orders. Wrap them in oiled paper to prevent sticking.

ORDER EARLY. You may think it is because we are in a hurry to get your money that we advise ordering early. Not so; but early orders always get the best of attention, the best of stock and the best of everything. As a great many varieties of vegetable seed are short on account of the wet weather last year, late buyers will get left, for the reason that there is not enough seed to supply the demand.

MARKET GARDENERS. Parties wanting ten or more dollars worth of bulk seed will do well to write us for market gardeners' prices for on such orders, if received early, we can make lower prices than are quoted.

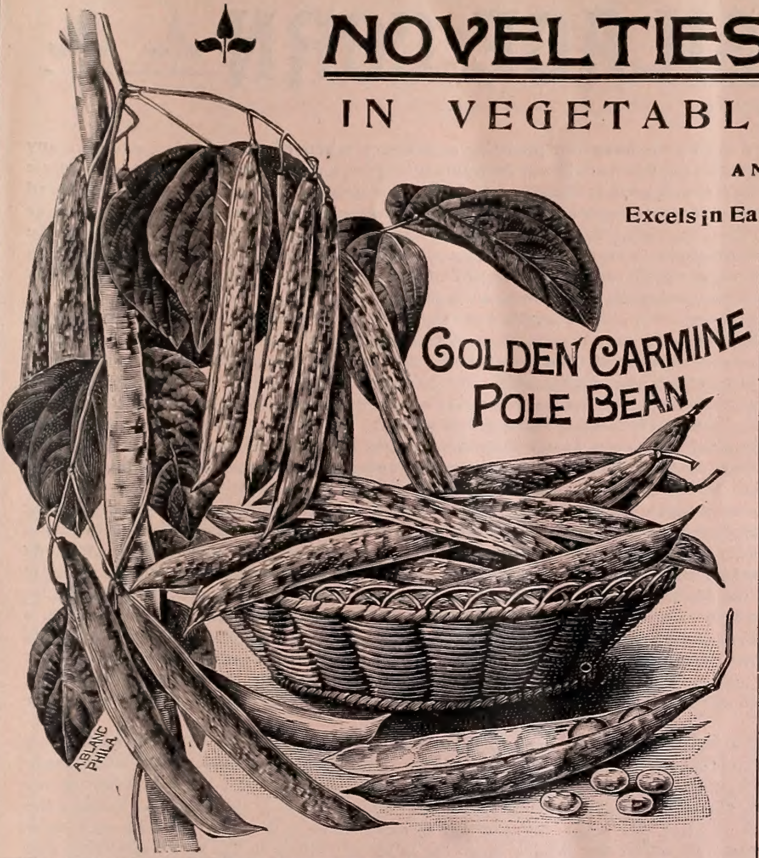
COUNTRY LIFE IN AMERICA.

Without doubt the best Magazine published. Devoted to outdoor life. It contains from fifty to one hundred pages, beautifully illustrated, printed on the very best quality of paper, showing some of the finest and best country homes, parks and public institutions in the country. It is a magazine worthy a place on any table and should be in the home of every lover of outdoor life. We read it and want every one of our customers to have it, and have therefore made arrangements with the publishers and will send this beautiful magazine for twelve months free with every order for 100 lbs. of our Worcester Lawn Grass Seed, or to every subscriber at the regular price of $3.00 per year we will mail, free, postpaid, ½ lb. of our best Mixed Sweet Peas. Do not overlook this offer. It is a rare opportunity to get this magazine one year free.

PRINTED BY THE DAVIS PRESS, WORCESTER, MASS.

NOVELTIES *and* SPECIALTIES

IN VEGETABLE SEEDS FOR 1905.

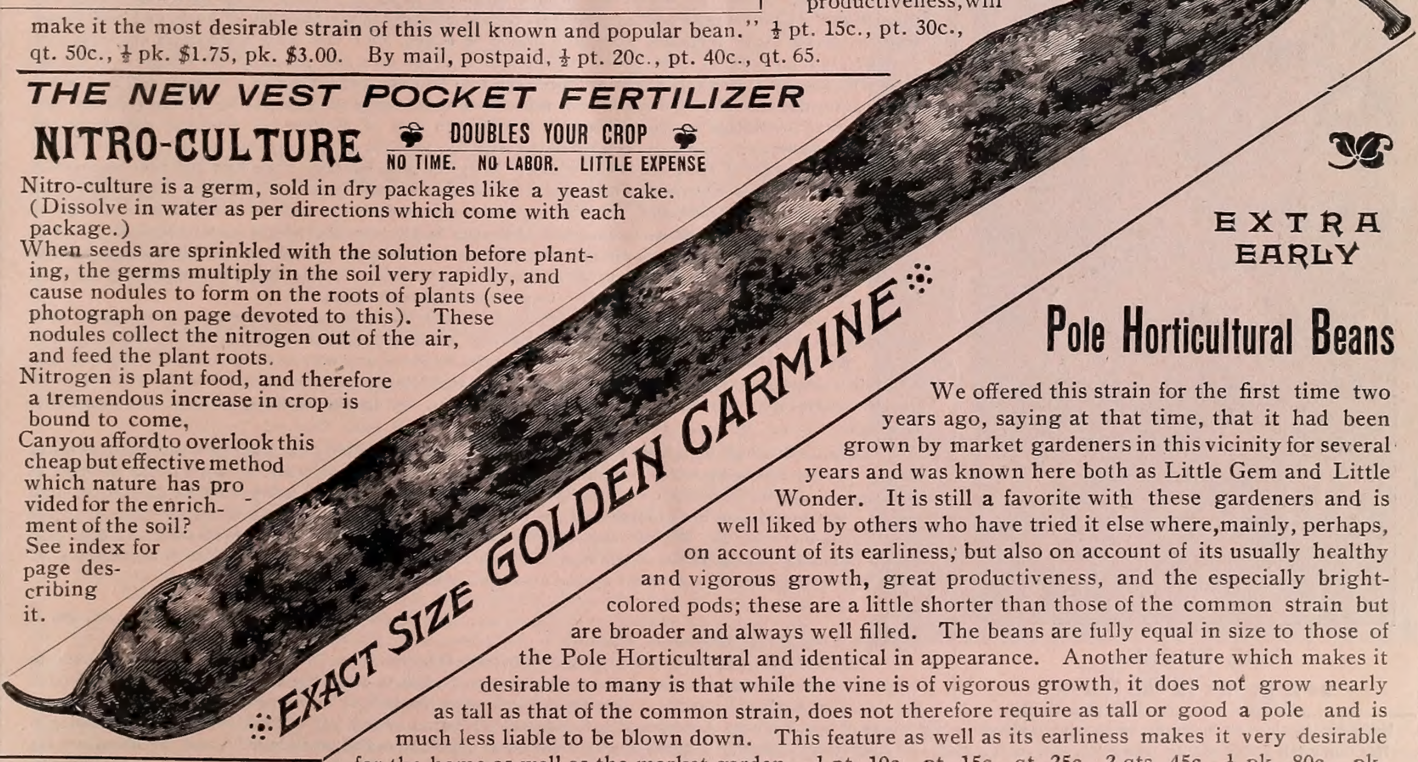


A New Strain of Horticultural Pole Bean of STERLING MERIT.

Excels in Earliness, Quality, Handsome Appearance and Productiveness

So well-known are the merits of the Worcester Pole Bean which we have for several years offered to our customers that it would seem almost a sufficient guarantee of merit to say that the New Golden Carmine is a selection from it. We however quote the brief description of the originators, a well-known firm of bean and pea growers, and have to say further that our trial of it the past season comprising a planting of several hundred poles enables us to corroborate their claims of excellence, and also to call attention to the purity of the strain, as we did not find a single exception differing from the type. The Golden Carmine is certainly worthy a trial by all growers of pole beans.

The introducers say of it: "In this new strain we have a wonderfully robust grower, a week to ten days earlier than Worcester Horticultural Pole. In comparison, the pods are equally as large, stringless, bright golden color when very young. As the pods approach full size, they are mottled and streaked with an unusually bright carmine color on the bright golden, which gives the pods (when ready for market) a strikingly beautiful and attractive appearance. This, together with its productiveness, will make it the most desirable strain of this well known and popular bean." ½ pt. 15c., pt. 30c., qt. 50c., ½ pk. $1.75, pk. $3.00. By mail, postpaid, ½ pt. 20c., pt. 40c., qt. 65.



THE NEW VEST POCKET FERTILIZER

NITRO-CULTURE DOUBLES YOUR CROP
NO TIME. NO LABOR. LITTLE EXPENSE

Nitro-culture is a germ, sold in dry packages like a yeast cake. (Dissolve in water as per directions which come with each package.)

When seeds are sprinkled with the solution before planting, the germs multiply in the soil very rapidly, and cause nodules to form on the roots of plants (see photograph on page devoted to this). These nodules collect the nitrogen out of the air, and feed the plant roots.

Nitrogen is plant food, and therefore a tremendous increase in crop is bound to come.

Can you afford to overlook this cheap but effective method which nature has provided for the enrichment of the soil? See index for page describing it.

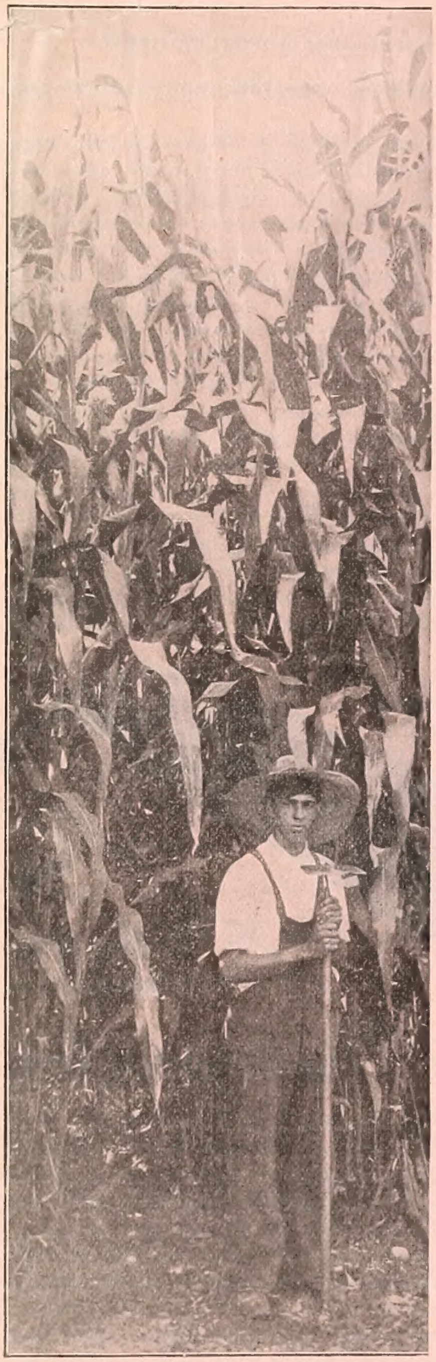
EXTRA EARLY

Pole Horticultural Beans

We offered this strain for the first time two years ago, saying at that time, that it had been grown by market gardeners in this vicinity for several years and was known here both as Little Gem and Little Wonder. It is still a favorite with these gardeners and is well liked by others who have tried it else where, mainly, perhaps, on account of its earliness; but also on account of its usually healthy and vigorous growth, great productiveness, and the especially bright-colored pods; these are a little shorter than those of the common strain but are broader and always well filled. The beans are fully equal in size to those of the Pole Horticultural and identical in appearance. Another feature which makes it desirable to many is that while the vine is of vigorous growth, it does not grow nearly as tall as that of the common strain, does not therefore require as tall or good a pole and is much less liable to be blown down. This feature as well as its earliness makes it very desirable for the home as well as the market garden. ½ pt. 10c., pt. 15c., qt. 25c., 2 qts. 45c., ½ pk. 80c., pk. $1.50. By mail, postpaid, ½ pt. 15c., pt. 25c., qt. 40c.

Our Dollar Collection of Vegetable seeds is worth the attention of all who plant small gardens. It includes a large packet of the Golden Carmine Pole Bean, many other novelties and the best of the standard varieties. No better value ever offered.

THE EUREKA ENSILAGE CORN



THE EUREKA
as it grows in the North

SELDOM does a seedsman have the pleasing experience when offering to his customers any specialty, regardless of how valuable or desirable it may be, a unanimous verdict that the article offered is as he claimed, good or the best. We are therefore greatly pleased that the combined opinions of our customers very closely approach this point and more nearly the past season than ever before. Not only have the large sales of seed been satisfactory to us but also as a matter of pride and interest in our business it is extremely pleasing to us to know that the strong claims we have made for its excellence are substantiated by results and that more than ever can we truthfully claim that in the opinion of our customers "*the Eureka is the best that grows.*"

Reference was made in our catalogue of last year to our rapidly increasing sales of the Eureka and we have again to say that our supply of seed was exhausted long before the season ended although we had a much larger stock than ever before. We attribute much of this large increase to what new customers had learned of it from those who had used it. Reference was also made to the comparative sales of the Eureka and that very popular variety the Leaming. It was shown that while our sales of the latter had yearly steadily increased, sales of the Eureka from a very small beginning had increased to the point of very nearly equaling them and we thought were destined soon to greatly exceed them. We have no doubt they will this season by hundreds of bushels. We said and wish to say again that where the Eureka is best known, there our sales of seed are the largest.

The Eureka originated in Virginia where especial attention has always been given to growing the varieties that produced the most leaves. This is because the southern farmer does not cut the stalk as we do in the North, but strips off the leaves only, and these are mainly the food for all kinds of stock. It is therefore essential for him to grow the variety that produces the greatest possible amount of foliage. In this respect there is a great difference in the varieties know as Southern White; the one which we know as the True Southern White surpassing all others, while the Eureka, a selection from it, surpasses that. This is due to a continued selection for the fifteen years previous to our introduction of it. Still further improvement has been made in it since, until now the Eureka not only excels in size but also in leafiness and to these two features is mainly due its great popularity, because of these two features it will produce *a greater weight of good ensilage* per acre than any other variety.

The only objections that have ever been made to the Eureka are that it does not sufficiently develope the ears, and that therefore the plant does not reach the right stage to make the best quality of ensilage. That is, the ears not arriving at the partially ripe condition that those of some of the smaller varieties do, the ensilage lacks the richness of that made from such varieties, and because the plant itself has not reached that stage, the ensilage is more liable to be acid. We call particular attention to the manner in which Mr. Wilder meets the latter objections in his letter following and regarding the advantage of partially ripened ears in ensilage to the sacrifice of bulk, and also freshness, we think some pertinent questions might be asked, viz.: For what purpose is ensilage corn grown? Is it for bulk of fresh green material, or is it for ears and partially dry foliage? If for the first, why not raise the variety that produces the largest bulk regardless of the ears or their condition? If for the second purpose, why not raise some small early variety that is sure to produce ears regardless of the foliage or its condition? If with the idea of making the ensilage richer by the partially ripened ears, how can they when cut with the plant be evenly distributed to stock when they form so small a part of the bulk of the whole? Why not raise ensilage corn and ear corn separately and be able to know accurately how much grain each animal gets? We have in a previous issue shown that since its introduction, some change has been made in the Eureka in earliness and that we had in one instance selected ears from a field grown in the vicinity which were sufficiently ripe to germinate the following spring. We however do not intend to lay any stress on this point, believing that the almost unanimous opinion of those who have grown the Eureka that it is satisfactory as it is, in fact, the best there is, warrants us in "leaving well enough alone."

Lest we should lead some who are not familiar with the habit of the Eureka, to infer that it does not produce many ears, we will say that it does ear profusely, as the following testimonials plainly show. We have intended simply to anticipate in the minds of any who have not tried the Eureka any possible objections and to show of how much more importance we considered a large bulk of fresh green material than a little futher development of the ear in the making of good and profitable ensilage.

To publish all of the letters which we have received concerning the Eureka would require many pages. Those following fairly represent the nature of all. Regarding Mr. Wilder's letter we have to say, that we received from him two, and greatly regret that space does not permit us to publish both entire. While one does not greatly concern the Eureka it was to us very interesting, and doubtless would be to our readers. We have however selected the main facts in this, which form the first part of the following, and give the other entire, which forms the balance. Mr. Wilder is certainly a remarkably active man for one of his age as his letter plainly shows.

WOODSTOCK, VERMONT, Aug. 23, 1904.

MESSRS. ROSS BROS., Worcester, Mass.

I received your letter this morning and answer this evening. What I have written I believe to be facts. I have not gone beyond, for a purpose, as I wish to have the truth made public, and have the best methods for the public. I am too old to desire notoriety, or for money making. I have always been in touch with farming, began gardening at eight years of age, but my life work till I was eighty, was railroad constructing and operating. I built and managed about 125 miles of railroad in Virginia after I was 70. I came back in 1895, and have since been connected with two large farms as bookkeeper and adviser. For three years I had charge of Dr. J. M. Bailey's farm at Billerica, Mass. It was he who first introduced ensilage into the United States. He died in 1898, and in 1899 I came here and took charge of the accounting for Cloudland Farm, and do it yet. Cloudland Farm has some 2,000 acres a consolidation of eight, so called, abandoned farms, 100 cows and 125 head of young stock (all Jerseys.) We keep Berkshire hogs, and all kinds of fowls. We make some 30,000 pounds of butter yearly. It makes me happy to be so connected; gives me something to think about. I was born in 1813; 91 years old in October, but I enjoy life, and write for the papers when they ask me, Tribune Farmer, Country Gentleman, Mirror and

BE SURE YOU GET THE GENUINE SEED. The originator has never grown any seed of the Eureka for any other seedsmen.

Farmer, and the Homestead asked me to write the article you saw. The Tribune Farmer sends me letters they get asking questions, for me to answer; then I get letters from these persons, so I keep to work. If you take a vacation come up here. I would like you to see Cloudland stock. The Eureka Corn we had of you last year turned out to be just the thing for ensilage, and wished we had planted all for silage. I cut some average hills and found them to average 13½ lbs. each; planted in rows each way 3 feet apart would be 4,800 hills, at 13½ lbs. to hill would be 32 tons and 400 lbs. I am convinced the yield was 30 tons to the acre, it was from 12 to 15 feet high. The ground was no better fertilized than the other; we wanted to get at the facts by experiment. I estimated the cost of cultivating an acre, and packing in the silo. I find it don't cost quite a dollar a ton, while small corn will cost two and a half dollars a ton.

At Cloudland farm we have two silos, both holding about 500 tons, that will feed our hundred cows, and some to young stock and the Berkshire hogs. I think farmers won't make a mistake in planting the Eureka Corn for ensilage.

There is another point to consider; it can be planted at the usual time of planting corn, and it will be in condition to cut for silage before frost usually comes. I don't believe in maturing the ear before cutting for ensilage. My experience has been that the time to cut corn for ensilage is just as the ear sets and tassels are in bloom; nature provides the stalk and leaves first, then the ear is produced from them; the ear is produced from the stalk and leaves, from the leaves mostly, and that is another point in favor of the Eureka Corn. It has long broad leaves and more of them in number than I ever saw in other corn. The Sanford Corn is next to it. The leaves of corn analyze more nutrition than any part of the stalk; the top comes next, middle next, and the lower part the poorest, but they all deteriorate as the ear is made. When the stalk and leaves are full, they are at the best. Any farmer knows that grass is best before the seed is made, and green grass is the best ration to produce milk or to cut for hay, and corn is a big grass. We put it in the silo to preserve it to use when there is no green grass. Then why not put it up when it is in its best condition like the green grass?

There was started a saying that it was better to let the ear mature, by some experiment station, and it spread, and the farmers took it up, and it has become a general plan, but it was only a theory with some scientists, not a practical fact.

The only argument they have in favor of it is, that green corn will come out acid, but it is not so, if it is properly protected by covering with cheap hay or straw; hay is best, about a foot deep covered with plank and packed close to exclude the air. I know this to be a fact. I filled at Billerica, Mass., three times, the first two silos built in the United States, and had no acid ensilage. One other thing, they say the corn won't take up all the nutrition out of the soil if cut early, but if it don't, it is there for the next crop. Some are afraid this large corn will not mature the ear, but if my experience is correct, it don't need to, and Eureka corn is all right and produces ensilage for half the cost of the smaller corn. Yours truly, J. W. WILDER.

WINDSOR FARM, DENVER, COLO.

Received your letter asking our opinion of Eureka Ensilage Corn. In our experience we have never seen its equal. Colorado is not a good corn country, as our nights are too cool, but I measured a stalk of corn to-day with two good ears on it and leaves clear to the ground that was fifteen feet high. It was not a special stalk, as we can get two or three acres that seem to look all alike and all as high as that. I believe there are stalks sixteen feet high in the field and the stand is very thick on the ground. Several farmers who have seen it say it is the best they ever saw, and there has been quite a little carried off for exhibition. The crop is so dense on the ground that you could not see a man in it five rows from you. We are more than pleased with it. Very respectfully, CANNON & PENROSE.

The crop was better than has been grown on the farm before and by far the best in this neighborhood. I am much pleased with the seed and shall continue to use it. F. W. BARCLAY, Penn.

Yours received. The Eureka Ensilage Corn is very fine; some stalks measured 17 feet 3 inches and had from three to five ears on a stalk, also it has a heavy foliage. It is the best I ever used. JAMES BIRKETT, Virginia.

I have planted it for four years and consider it the most profitable kind of Ensilage Corn for me to raise. It grew this year 16 to 17 feet high, well eared and made splendid ensilage. S. L. BURNHAM, Conn.

PLAINFIELD, N. J. Oct, 5, 1904.

The best I have ever grown. Two, three and four ears on a stalk, 14 feet high, full of leaves. JUSTUS H. COOLY, M. D.

COLDWATER, MICH., Nov., 1904.

ROSS BROTHERS, Worcester, Mass.

Gentlemen:—I received your letter asking me to pass judgment on your Ensilage Corn the night before we commenced cutting it, and I have neglected answering it until now, Thanksgiving day. I can truthfully say that there was nothing that I did the past season in the management of our farm that was more satisfactory than the planting of your Eureka Ensilage Corn. I planted the five bushels that I bought of you on 18 acres, (the second order for 2 bushels was for my brother and he is as well pleased with it as we are.) Our silos hold five hundred tons, and two acres more would have filled them full.

The field was a sight worth going miles to see, from the time it was a foot high until harvested. We have quite a good many visitors to inspect our farm and dairy, and without exception they pronounced it the finest field of corn they ever saw. We had quite a time cutting it with new corn binders, one agent spending three days and quite a little money trying to rig his machine so it could handle it. He was six foot one inch high and I saw him stand on the drive wheel, probably 3½ feet high, and reach for the ears, but he still lacked a couple of feet in height of reaching them. When we got it to ensilage cutter it required two men to a bundle, we set the binders to bind as small as possible; they would stand five and six feet apart when handling a bundle, one down toward the butts and the other up toward the tops. We have a picture of the field that we will send you if you care for it. The agent of the machine that was successful in cutting it had it taken for advertising purposes. We are feeding the silage and are satisfied that it is all right as a feed. You may look for an order for seed from us. There will also be other orders from here.

Yours truly, NEAL & ANGEVINE.

THE EUREKA
as it grows in the South

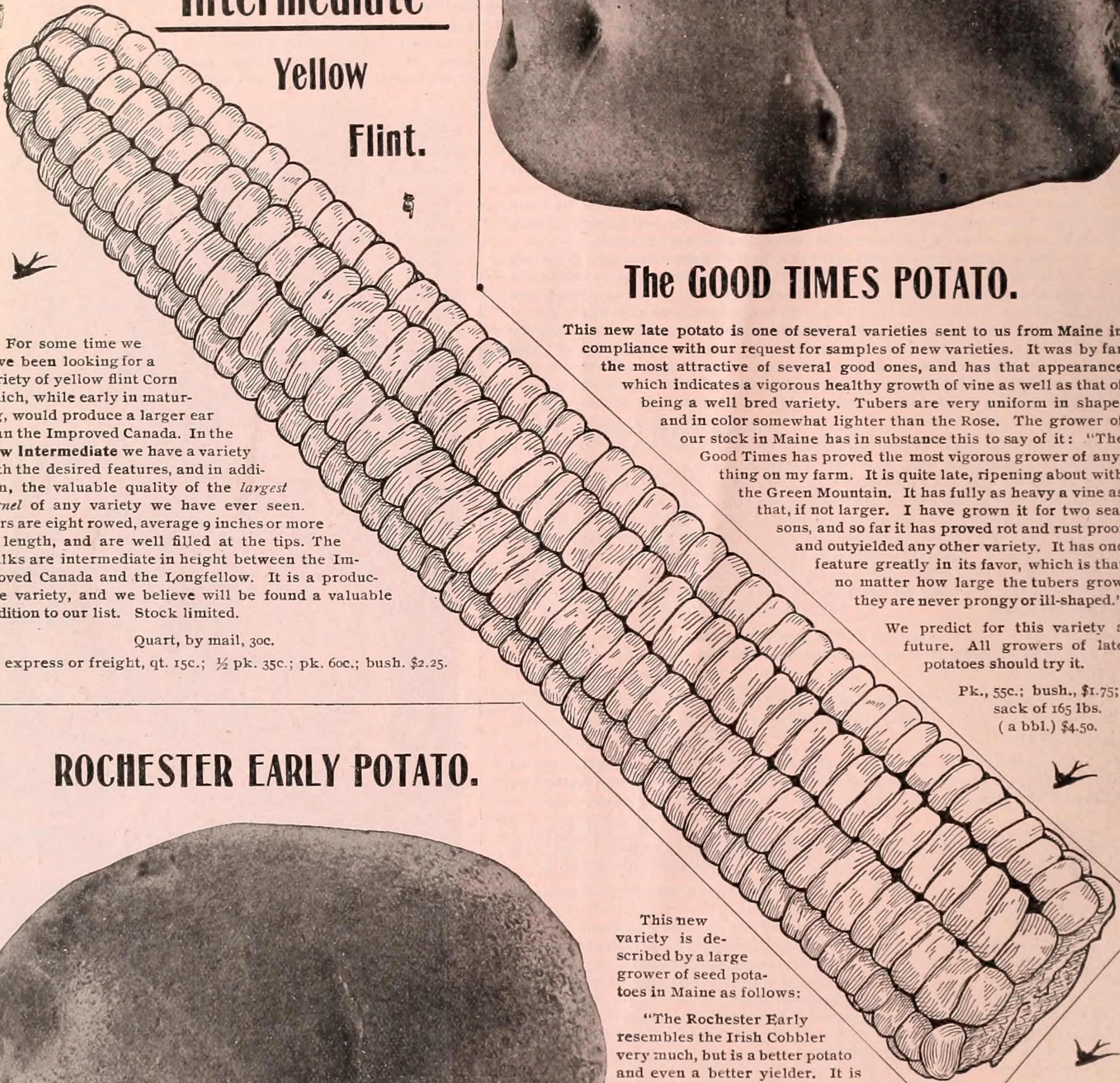
Price. Pk., 60c.; bushel, $2.00; three bushels, $5.00. No charge for bags.

The genuine can be obtained only of us or of dealers who obtained their supply of us. Take no chances at a price less than ours when it requires only from 12 to 16 quarts to the acre.

A Selected Strain of Field Corn.

Has the Largest Kernel of Any of this Class.

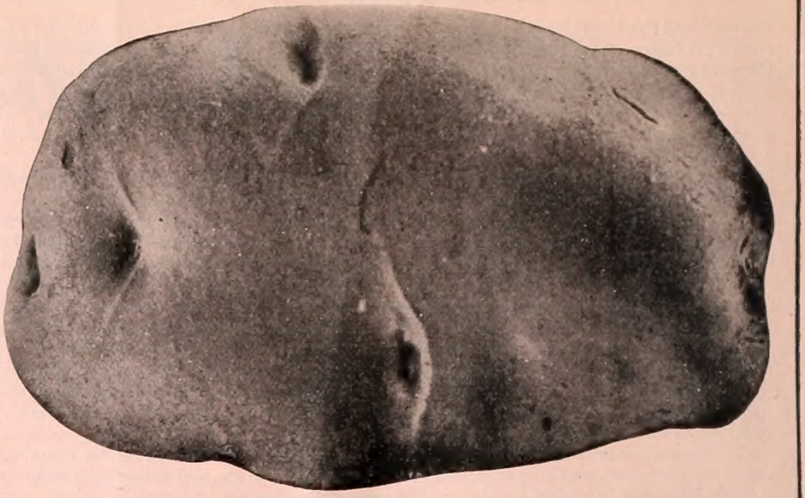
"Intermediate" Yellow Flint.



For some time we have been looking for a variety of yellow flint Corn which, while early in maturing, would produce a larger ear than the Improved Canada. In the **New Intermediate** we have a variety with the desired features, and in addition, the valuable quality of the *largest kernel* of any variety we have ever seen. Ears are eight rowed, average 9 inches or more in length, and are well filled at the tips. The stalks are intermediate in height between the Improved Canada and the Longfellow. It is a productive variety, and we believe will be found a valuable addition to our list. Stock limited.

Quart, by mail, 30c.

By express or freight, qt. 15c.; ½ pk. 35c.; pk. 60c.; bush. $2.25.



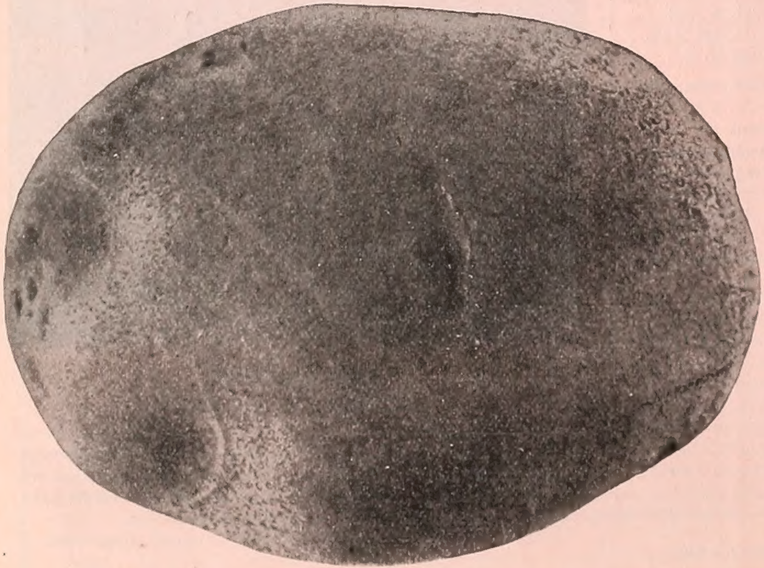
The GOOD TIMES POTATO.

This new late potato is one of several varieties sent to us from Maine in compliance with our request for samples of new varieties. It was by far the most attractive of several good ones, and has that appearance which indicates a vigorous healthy growth of vine as well as that of being a well bred variety. Tubers are very uniform in shape, and in color somewhat lighter than the Rose. The grower of our stock in Maine has in substance this to say of it: "The Good Times has proved the most vigorous grower of anything on my farm. It is quite late, ripening about with the Green Mountain. It has fully as heavy a vine as that, if not larger. I have grown it for two seasons, and so far it has proved rot and rust proof and outyielded any other variety. It has one feature greatly in its favor, which is that no matter how large the tubers grow they are never prongy or ill-shaped."

We predict for this variety a future. All growers of late potatoes should try it.

Pk., 55c.; bush., $1.75; sack of 165 lbs. (a bbl.) $4.50.

ROCHESTER EARLY POTATO.



This new variety is described by a large grower of seed potatoes in Maine as follows:

"The Rochester Early resembles the Irish Cobbler very much, but is a better potato and even a better yielder. It is about as early as the Cobbler; perhaps a few days later. The tubers are smooth, of excellent quality and not inclined to rot, and the vines are of vigorous, healthy growth. In yield it has beaten the Cobbler, and any early variety that beats the Cobbler is a good one. I think it is a great potato; one of the best ever introduced."

We believe that none will make a mistake in giving this variety a trial or, indeed, in making a liberal planting of it. Stock limited.

Pk., 60c.; bush., $2.00; sack, (165 lbs.) $5.00.

The Spaulding's Number Four Potato

Introduced by us last year with a record of 479 bushels to the acre.
In an extensive trial last season proved to be the largest yielder of 190 varieties.

IT WILL be remembered by our customers that we introduced this Potato last season as only a comparatively new variety, stating that it had been grown sufficiently in different sections to determine its adaptability to all climates, and was already very popular in Florida as well as in its home State, Maine, but had not been generally disseminated. The growers from whom we obtained our stock had planted it very extensively in Maine the previous season and said that in no case had the yield been less than 280 bushels to the acre, while in several fields it had yielded 400 bushels, and in one field 479 bushels to the acre. In whatever section it has been grown the yield has been uniformly large. In color the Spaulding's No. Four resembles the Early Rose, perhaps a little lighter. In shape it is somewhat similar, but inclines to oblong and is thicker, very uniform in size and very attractive. It is also of excellent quality. It is medium early in ripening and tubers seldom rot, while the vine is of strong healthy growth and practically free from blight. The following letter from the Rev. Mr. Lawrence, who conducts yearly very extensive trials of potatoes, shows his opinion of it as well as its great productiveness:

EDEN TRIAL GROUNDS,
Nov. 23, 1904.

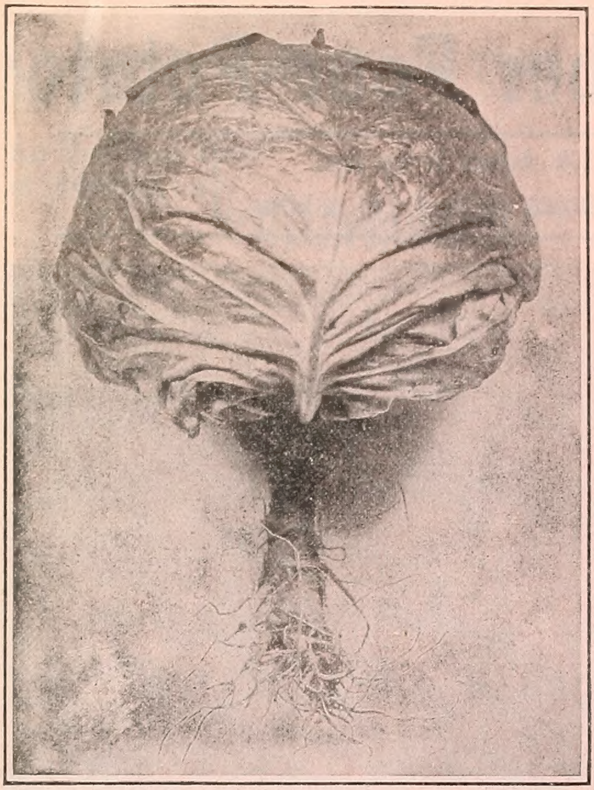
ROSS BROS., Worcester, Mass.

Dear Sirs:—In the spring you sent me some of your Spaulding No. 4 Potatoes for trial. Well, I tried them, and have this to say: "I am only sorry that I did not have 5 or 10 acres of them to harvest this fall. Out of a field of 190 varieties, all planted same time, they gave the most satisfactory returns, in so far as yield was concerned. The best hill had 32 salable potatoes in it, and all hills were good without any small ones. Quality good. They also beat field No. 2 with 100 varieties in it, planted a week earlier, so really gave heaviest yield of any potato grown this year either on my own or the Government plot under my care.

They did not rot. Quality is good. A decided acquisition to list of potatoes. Will be pleased to try anything you may have in the line of vegetables, flowers or potatoes, next year.

Yours truly, (Rev.) J. REYNARD LAWRENCE,
North Middleboro, Mass.

Our seed of this as well as of all other varieties we offer was grown in Aroostook County, Maine.
Pk. 50c.; bush. $1.50.
Sack (165 lbs. net) $3.75.



THE VOLGA CABBAGE

THE VOLGA CABBAGE

A New Variety of Great Merit

DESTINED TO DISPLACE TO A GREAT EXTENT THAT EXCELLENT AND NOW MOST POPULAR WINTER CABBAGE, THE DANISH BALLHEAD.

As the description of the introducer, Mr. C. L. Allen, will show, the Volga is of foreign origin perfected in this country. Mr. Allen has spent nearly all of his life in the growing of seeds, and has for many years made a specialty of cabbage seed. Without doubt no one in America is more reliable or more competent to judge the merit of a cabbage than he. We therefore have no hesitancy in recommending to our customers a liberal planting of this variety. We quote nearly entire Mr. Allen's description and claims as follows:

"This new aspirant for public favor is, without exception, the nearest approach to perfection of any variety we have ever grown, or seen grown, in this, or any other country.

It had its origin as follows. Ten years ago I had sent me from Russia, a trial package of some thirty varieties of the Brassica family, including every class grown for the seed trade, none of which seemed to possess superior merit, other than this. Of the dozen or more plants of this type, all were uniform in every respect, and remarkable for perfection of form and solidity of head. From the lot we selected six of the best for seed. These were given the same care as we give all other sorts, saving the seed product which was given a crucial test the next season. The second generation was a decided improvement over the first, and from this trial another selection for seed purposes was made, and with the same results. The third generation was so pleasing that we put out about one-half acre in the summer of 1902, not one plant of which failed to produce a most perfect head. All of this crop of seed was saved for seed purposes, and put out last season (1903) with most favorable results. We claim for this variety:

1st. **Uniformity.** In one field of three acres there was not a single plant that showed, in any respect, any variation from a true and valuable type.

2nd. **Uniformity and solidity of head.** In this respect it is a vegetable wonder, as the heads are of about equal size and shape, weighing from 12 to 15 pounds each.

3rd. **Quality.** Unlike most types, the heads are perfectly solid, and the stem does not run up into the head nearly as far as in all other types and the flesh is exceedingly firm, tender and white, making it a most desirable form for all purposes for which Cabbage is used.

4th. **Hardiness.** In this respect we have never seen a type which would favorably compare. Last winter, the most severe ever known in this section, did not inflict the slightest injury to **the Volga.** While all other kinds suffered terribly, not a head of this was lost. We think this point of hardiness of great importance to the shipper.

5th. This type is remarkable for its quick-growing habit, as are all vegetables that come from cold countries. We have noticed particularly this type, and find that it will mature its heads fully two weeks earlier than any of our late growing kinds. Let us be fully understood in this matter. If we sow the seeds of any of our winter Cabbages on the 1st of July, and the Volga on the 15th, the latter will perfect its heads first."

Regarding the specimen from which the photographic illustration here shown was taken, Mr. Allen wrote us saying, "To show you the type, we would say that the diameter of the cabbage, which weighed twelve pounds after being stripped, was greater than the distance from the top of the cabbage to the ground in which it grew."

It will thus be readily seen that the type is a very desirable one, and has not the objection often found in varieties of foreign origin,—a very long stem or stump. Pkt. 15c., ¼ oz. 25c., oz. 45c., 2 oz. 80c., ¼ lb. $1.40, lb. $4.50.

New Red Cabbage, "Othello"

A NOVELTY FROM GERMANY.

* * *

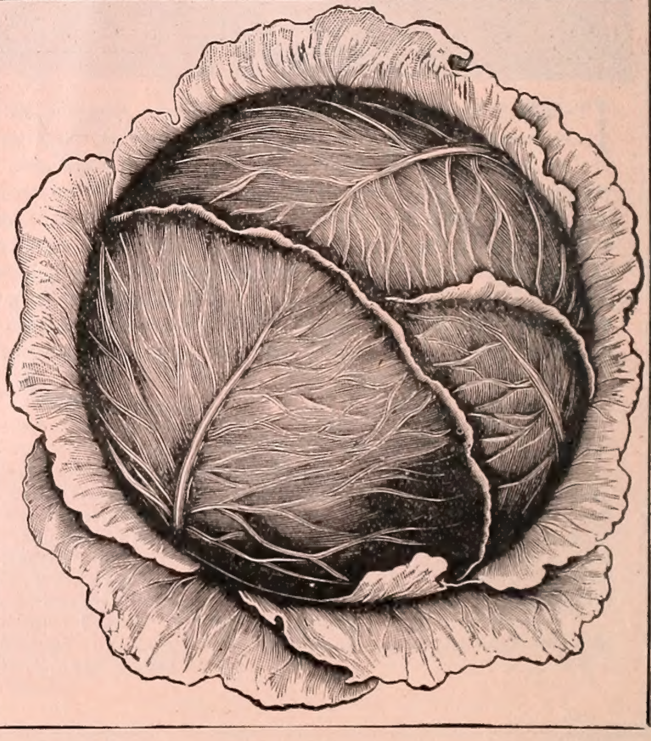
This new cabbage is from an old and reliable grower in Germany. We quote his description of it:

"This new Red Cabbage, which I introduce this year for the first time, is calculated to put into the shade every variety known in the trade, as it surpasses every one of them by far in size, productiveness, solidity and keeping-quality.

It has all the superior qualities of the true variety of the Largest Flat White Brunswick Cabbage, being of the same great size as the latter, which exceeds by far all known varieties of Red Cabbage. It has also the same shape, forming a smooth, flat, slightly arched head, is exceedingly firm, deep glossy black-red and is the best keeper during the winter.

These qualities mark the Cabbage "Othello" as the largest, most productive, and best keeping dark red variety in the trade."

This variety not having been offered before, we have not had an opportunity to test it; confidence in the grower, however, induces us to place in our novelty list, and to recommend to our customers, that a trial be given it. The type,—a solid red cabbage, equal in size to the white variety mentioned in the grower's description, is certainly a desirable one. We shall await with interest the opinions of our customers. Offered this season in packets only. Pkt. 25c., 5 for $1.00.

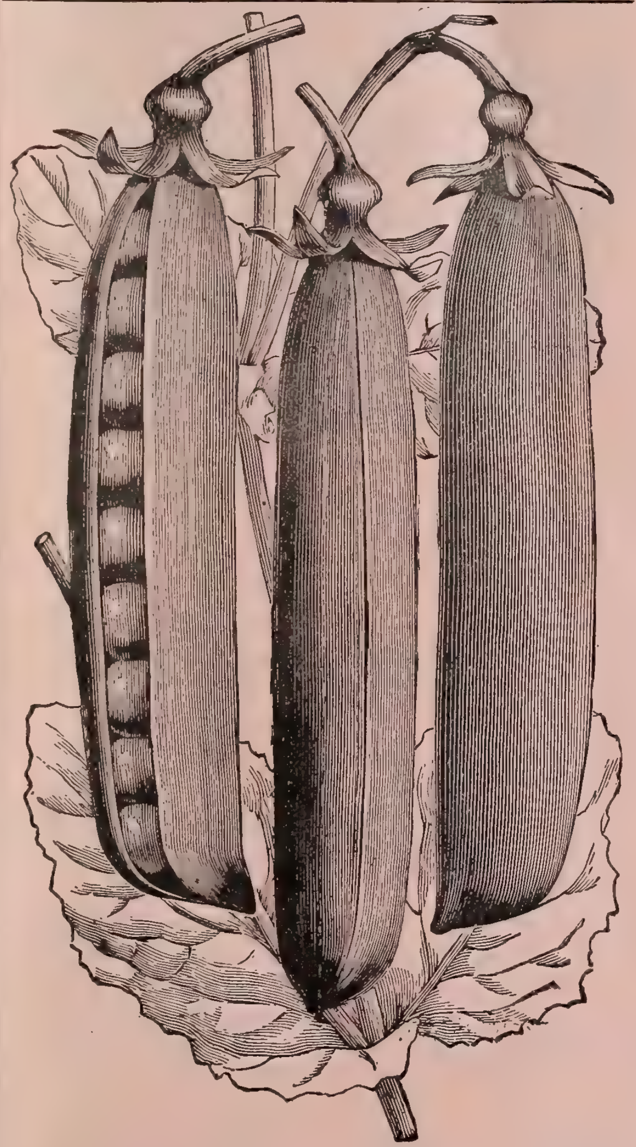


PEAS

THREE GIANT PODDED VARIETIES

THE GRADUS PEA

During the last quarter-century many large podded late varieties of peas have been introduced so that for several years a new variety of this type has not excited the same degree of wonder and admiration that the earlier introductions did. But when a variety was introduced having pods and peas as large as the largest late variety and was nearly as early as the earliest it at once became the wonder of all, and nothing in the vegetable line introduced for years has been more generally appreciated by all who have grown it than the Gradus Pea. That it and the following variety will eventually be the leaders and to a great extent displace all others of the extra early sorts is beyond a doubt unless perchance a new variety should appear of greater merit of which it would be difficult to conceive. While the pods of the Gradus are about equal in size to those of the Telephone the vine is only about 2½ feet in height, a desirable feature to many. The pods are much better filled than these of the Telephone while the peas are fully as large and are equal in quality. These are ready for the table or market so soon after those of the Early Alaska that the difference in time is hardly worth noting, and considering what we have already said regarding the quality it is almost unnecessary to say that in flavor, tenderness and sweetness a comparison is hardly possible, so greatly in these respects does the Gradus surpass the Alaska. Those who have grown the Gradus will, we are sure, continue to do so, while those who have not should by all means. The pea offered as Prosperity is simply the Gradus —an American name for an English variety for a continuation of which there seems to be no good reason. ½ pt. 15c., pt. 30c., qt. 50c., 2 qts. 90c., ½ pk. $1.50, pk. $2.75, bush. $10.00.



THOMAS LAXTON PEA.

Thomas Laxton Pea

So superior in its combination of good qualities, to all other early varieties has the Gradus proved that it is somewhat difficult to conceive of a variety of later origin that would surpass it or indeed equal it. But the originators of the Thomas Laxton, who were also the originators of the Gradus, claim for it superiority and having given us so good a variety as the Gradus their claim for this their later production is certainly entitled to consideration.

The Thomas Laxton was originated by Messrs. Laxton Bros., of Bedford, England, who have been the originators of many good varieties, and was the result of crossing the Gradus with some other early variety. In a circular introducing it to the trade in this country the following claims were made: "*The finest and most remarkable early pea yet introduced. As early as the first earlies. Pods double the size of 'Ne Plus Ultra.' A true marrowfat. Earlier than our 'Gradus'.*"

In earliness, size of pod and peas and quality it perhaps equals but does not surpass the Gradus, but it is generally conceded by those who have grown both to be considerably more productive, which is our main reason for offering among our novelties a variety so nearly similar in other respects. The vine grows a little taller than that of the Gradus, about 3 feet in height under ordinary cultivation. Both foliage and pods are of a darker green which will be considered by many a desirable feature. So nearly identical with the Gradus is it in other respects that it is hardly necessary to say more of it except to again call attention to its evident greater productiveness. One of the two at least should be in every garden. ½ pt. 15c., pt. 30c., qt. 50c., 2 qts. 90c., ½ pk. $1.50, pk. $2.75, bush. $10.00.

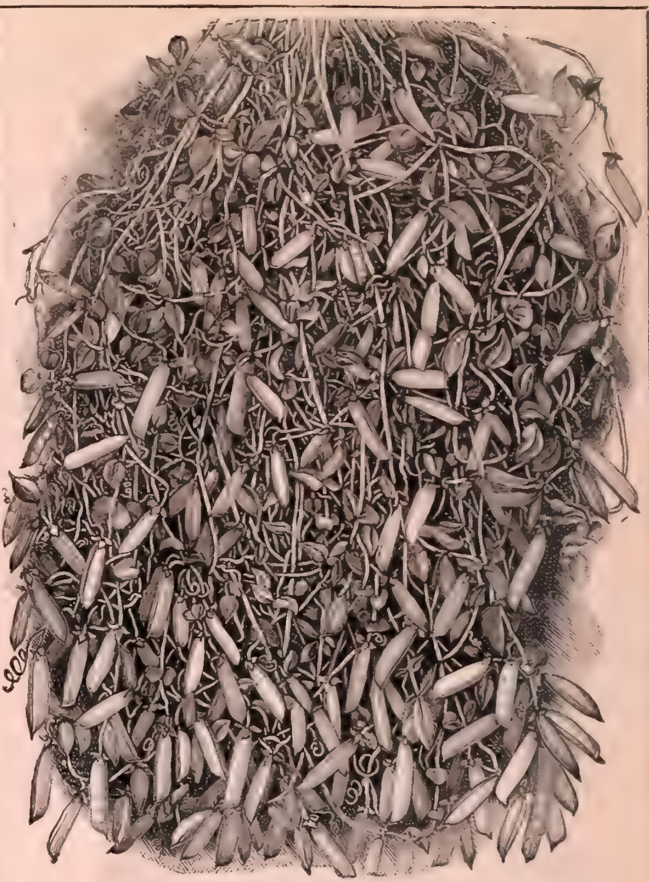
The Admiral Dewey Pea

A Late Variety -- The Largest Podded Ever Offered

Our observation of this pea entirely accords with the description and claims of the introducers who are among the oldest and most reliable growers of peas in this country. They say of it as follows:—"During the season of 1894, while watching the growth of a small sample of a new and most desirable pea sent us from Carlisle, England, we found a few vines entirely different from the main crop, and entirely distinct from any pea we had ever seen. These few vines were carefully removed, and succeeding crops have shown them to be remarkably uniform and distinct. This is without exception the largest podded pea of which we have any knowledge, and when to this is added the heavy cropping and highest quality, it can readily be seen that it stands at the head of its class. Height three and one-half feet; foliage, vine and pod rich, dark green, remarkably healthy and vigorous, producing in abundance pods of largest size, frequently six inches in length, beautifully shaped, well filled with peas of largest size, tender and first-class flavor; seed green, wrinkled. Undoubtedly the best of all the class of long vine, large podded peas." ½ pt. 10c., pt. 20c., qt. 35c., 2 qts. 60c., ½ pk. $1.00, pk. $1.75, bush. $6.75.

EARLY SURPRISE PEA

This is the very earliest of the wrinkled varieties. Compared with the extra early smooth sorts it will be found as early as the earliest, and decidedly earlier than some. The vines grow about 2 feet high and need no bushing. The pods are well filled, containing six or seven peas, not as large as those of the American Wonder, but are produced in much greater abundance. In quality it compares favorably with other wrinkled varieties, which as all know are much superior in flavor to the smooth peas. Its extreme earliness for a wrinkled variety, great productiveness and fine quality, have already made it a popular variety, and had it not been that the Gradus with its wonderful size for an early pea was introduced about the same time, this would undoubtedly have attained a greater popularity. As it is,it with the Gradus has displaced to a considerable extent the early smooth sorts. ½ pt. 10c., pt. 15c., qt. 30c., 2 qts. 50c., ½ pk. 90c., pk. $1.65, bush. $6.00.



Early Surprise.

PRIDE OF THE MARKET PEA

AN IMPROVED STRAIN.

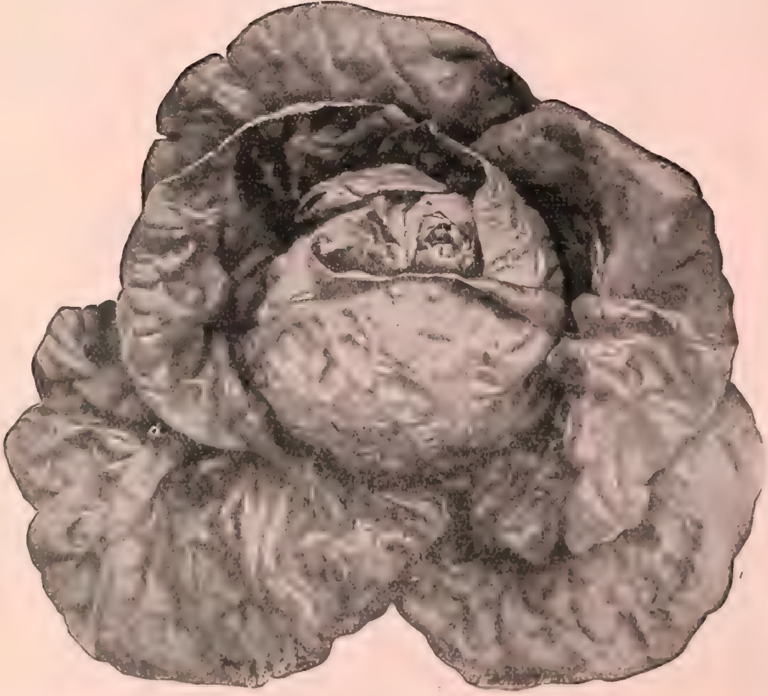
While not equal in quality to many other late peas, its hardiness, great productiveness, very dwarf habit for a late pea, and large, handsome pods, make it popular with some, and as its tendency to sport has to a considerable extent been overcome, we are induced to again offer this variety. The vines grow only about 20 inches high, and do not therefore require brushing, while it produces in great abundance large, handsome pods, equal in size to those of the Stratagem, deeper green in color, and more attractive. As its dwarf habit allows of close planting, it will be found to produce nearly as large a crop as the tall sorts which require brushing. ½ pt. 10c., pt. 15c., qt. 25c., 2 qts. 45c., ½ pk. 80c., pk. $1.50, bush. $5.50.

New Dwarf Pea

Sutton's Excelsior

This new dwarf pea is from Sutton & Sons of Reading, England, who are famous the worldover and who have originated many of our finest vegetables and flowers. It has not yet to our knowledge been generally catalogued, but is without doubt worthy of attention. Messrs. Sutton & Sons say of it that it is "Similar in character to Sutton's Harbinger, (a superior quite dwarf variety) but is taller, and matures two days later. It has the advantage, however, of much larger pods, which are borne in great profusion. Ready for picking with American Wonder. In flavor Sutton's Excelsior is quite equal to many of the favorite late peas."

The growers in this country with whom we contracted for growing our supply of seed have an abundant opportunity to judge of the respective merits of the many new varieties offered, as all are tested by them, both of English and native origin. Their description of this is as follows: "In earliness, ripening with Nott's Excelsior, resembling it in habit and shape of vine, only more vigorous, growing to a height of 18 inches, we have a longer, broader pod filled with larger peas of most delicious flavor. Seed large, pale green, wrinkled. This is a pea of real merit and well deserves to head the list of dwarf wrinkled early peas." ½ pt. 15c., pt. 20c., qt. 35c., 2 qts. 60c., ½ pk. $1.00, pk. $1.75, bush. $6.50.



May King Lettuce

New Early LETTUCE

"MAY KING"

A Novelty From Germany

This new lettuce from Germany is very highly recommended by prominent seedsmen there, and we believe will be found a decided acquisition. We quote entire the description found in the novelty list of a German grower.

The great value of this Lettuce, which has actually been cultivated in quantities for the markets of Berlin and other large places.with the greatest pecuniary success, and of which the most favorable reports have been received from all parts, is its surprisingly rapid development, its size, weight, tenderness, hardiness, and the fact, that it not only forces well in moderate heat, but developes its large crop of magnificent heads in the open ground about 10 days sooner than any other sort.

"May-King" Lettuce is not fastidious in the choice of the soil; it has stood well a frost of 9° Celsius, and even the earliest sowings have never been attacked by mildew. In March 1903 the raiser planted 1¼ hectar in an open field and in spite of much unfavorable weather the whole of the crop was cleared away between the 12th and 31st May, the heads yielding an average weight of about 12½ ozs., many weighing 16 ozs. and more, and standing from 10 to 14 days after attaining maturity without running to seed

The head is of globular shape, hard and well closed; the leaves are light green, with delicate ribs and lightly waved; the interior is of a clear yellow, very tender and of fine flavour. Pkt. 10c., ½ oz. 25c., oz. 40c.

Crisp-as-Ice Lettuce

This is not a new variety, but is one which cannot be too highly recommended. Of all the midsummer cabbage varieties which we have eaten, this surpasses all in fine, delicate flavor, crispness and tenderness, and has no equal for the home garden. The heads are solid, very large when well grown, and so brittle and tender that it well deserves the name *Crisp-as-Ice*. The leaves are thick, glossy, crimped and curled, outside they are variegated, dark bronze and green, while the heads when cut open show a rich creamy-yellow heart. Its extreme brittleness and color both prevent it being a popular market variety, but as we have said, for the home garden it has no equal. Pkt. 5c., ½ oz. 10c., oz. 15c., ¼ lb. 50c.

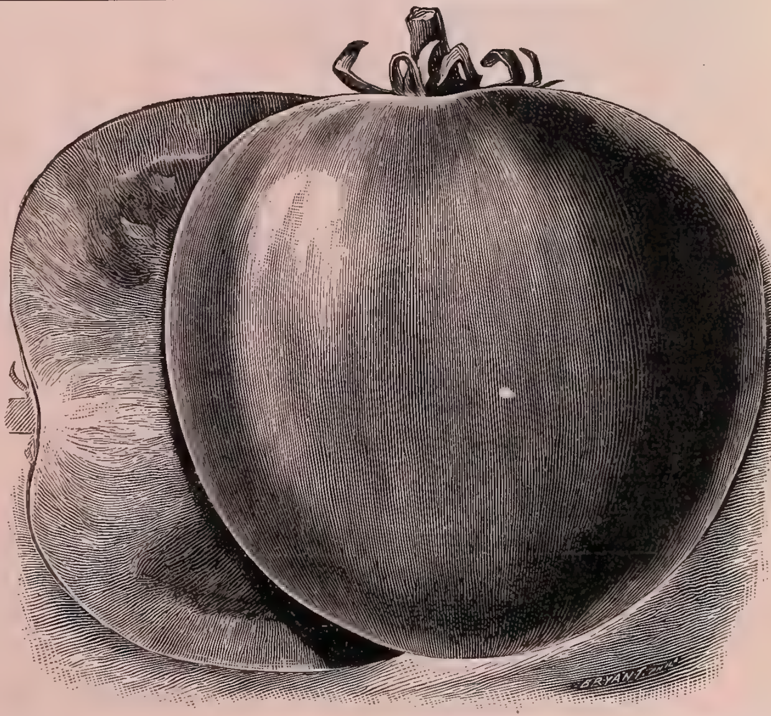
New Radish, Crimson Giant Forcing.

This new Radish, combining both earliness and great size, while well suited for forcing, is equally adapted for out-door cultivation. While it grows much larger than other forcing varieties, it does not become pithy under glass nor out doors, even when twice as large and a week older. When full grown it has a circumference of five to six inches and weighs from 1¼ to 2 ounces. Color a beautiful crimson carmine. The roots vary somewhat in shape, some being round while others incline to oval. Its earliness, size and quality will, without doubt, make this a popular variety. Pkt. 5c., oz. 15c., 2 oz. 25c., ¼ lb. 40c., lb. $1.25.

New Squash, The Delicious.

This new Squash is the product of the work of years in careful selection, crossing and isolating. In form it ranges between the two examples shown in the illustration. It is almost uniformly of a green shade, with occasionally a blue specimen, it being just about as pure in this respect as was the original Hubbard. In size it also closely follows the original Hubbard, which weighed between five and ten pounds. In thickness of flesh it surpasses nearly every variety, the color being a dark orange. For table use no squash compares with it in its remarkable combination of fineness and compactness of grain, dryness, sweetness and exceeding richness of flavor. It is a fall and winter squash, being excellent at all seasons, but like the old Hubbard, though at any time excellent, does not acquire its best quality until winter. When but half grown it will be found to surpass in quality most varieties when fully ripe. Pkt. 10c., oz. 20c., 2 oz. 30c., ¼ lb. 50c., lb. $1.75.

New Tomato Livingston's Globe



This is another new variety originating with the Livingstons, of Tomato fame. This fact of itself should warrant any one in giving it a trial. The originators describe it as follows:

"In shape it is notably distinct from all others, being a beautiful globe, with quite a goodly percentage of elongated (stem to blossom) fruits. See illustration which gives a fairly good idea of its shape. This peculiarity permits of a greater number of slices to be taken than is possible with flat varieties. It is among the first to ripen; fruit of large size, and a good marketable size is maintained throughout the season; always smooth, firm fleshed, and has very few seeds, especially in the early fruits; ripens evenly, through and through; a fine glossy rose in color, tinged with purple; very productive, the plant is always loaded with fruit, as it has joints at frequent intervals and each joint produces large clusters of from 3 to 7 fruits. A remarkably good keeper; especially adapted to slicing or eating from the hand as the flavor is very delicate and agreeable. A good general cropper and will be found well fitted to greenhouse growing or for real early crop on stakes or trellis. The type is well established, any important variation being difficult to detect. Every grower of Livingston's New Globe will find in it strictly a new variety and one of great practical value. Those who grow tomatoes to sell will be pleased, as the beautiful and attractive globe-shaped glossy red fruits will sell readily at the top price." Seed offered in packets (40 seeds) only this season. Pkt. 20c., 3 pkts. 50c., 7 pkts. $1.00.

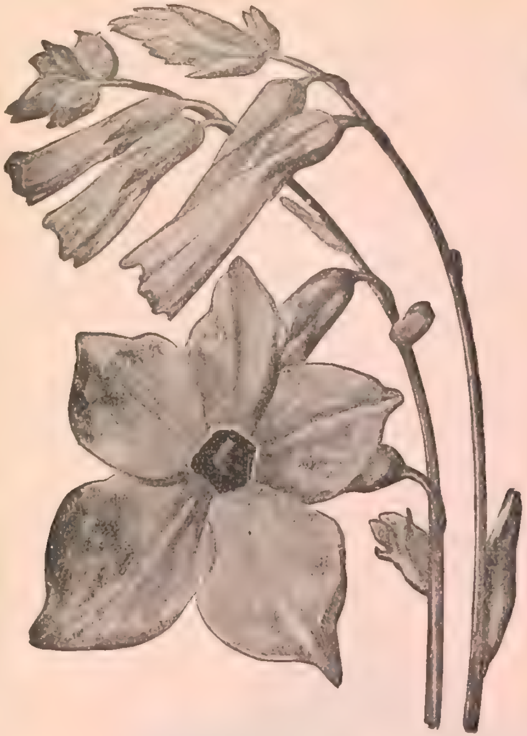
Our Dollar Collection of Vegetable Seeds.

THE BEST VALUE EVER OFFERED.
Includes Many Novelties and Best Standard Varieties.

BY MAIL POSTPAID.

For One Dollar we will send postpaid to any address in the United States the following, which includes One-Half Pint each of three New Varieties of Peas, One Large Packet each of three New Beans, Three Large Packets of Corn and One Packet each of the other (24) varieties, all in our Regular Full Sized Packets (not small packets expressly prepared for this purpose). In all Thirty-Three Varieties, enough to plant the average kitchen garden. The postage (paid by us) on this collection is Twenty-five cents, if desired by express (at customer's expense). In addition Flower Seeds will be included as follows: One ounce our Best Mixed Sweet Peas. No better mixture can be offered. One half ounce each of Worcester Mixed Tall and Dwarf Nasturtium, both our own mixtures of many choice Named Varieties, and one packet of Worcester Mixed Asters, our own mixture of many distinct varieties. Descriptions of all may be found in this Catalogue under their respective heads or in novelty pages. We are only able to make this very liberal offer by preparing this collection before our busy season and cannot therefore permit of any changes in list of varieties, nor does any other discount apply. We are sure that no better selection of varieties could be made from our Catalogue nor from any other.

Beans, Mammoth Green Pod Stringless.
Beans, Jones' Stringless Wax.
Beans, New Golden Carmine Pole.
Beet, Crosby's Early Egyptian.
Beet, Detroit Dark Red.
Cabbage, Charleston Early Wakefield.
Cabbage, Danish Ballhead.
Cabbage, New Volga.
Celery, Winter Queen.
Corn, Mammoth White Cory.
Corn, New Metropolitan.
Corn, New Early Evergreen.
Cucumber, Early White Spine.
Cucumber, New Emerald.
Lettuce, Big Boston.
Lettuce, Crisp-as-Ice.
Lettuce, New Giant Glacier.
Musk Melon, Rocky Ford.
Water Melon, Halbert Honey.
Onion, Yellow Globe Danvers.
Onion, Prize taker.
Parsnip, Hollow Crown.
Peas, New Sutton's Excelsior.
Peas, New Gradus.
Peas, New Admiral Dewey.
Pumpkin, Sugar.
Radish, New Crimson Giant.
Squash, Mammoth Summer Crookneck.
Squash, New Delicious.
Squash, Golden Hubbard.
Tomato, New Earliana.
Tomato, Trucker's Favorite.
Turnip, White Egg.



NICOTIANA SANDERÆ
Individual Flower

Novelties in Flower Seeds for 1905

NEW HARDY ANNUAL,

NICOTIANA SANDERAE

OR CARMINE TUBEROSE-FLOWERED TOBACCO

This new, wonderful and beautiful Nicotiana, or Flowering Tobacco, was originated in St. Albans, England, by Messrs. Sanders & Son. It is the product of hybridising a new species from Brazil (N. Forgetiana) bearing small purple flowers, which they also introduced, with N. affinis, the variety bearing star-shaped white flowers with which many are familiar, and which is generally known as "Flowering Tobacco."

We quote in part what Messrs. Sanders & Son say of it in a circular sent to the trade in this country:

"It is the hardy annual of the century. The whole plant is laden with flowers from base to summit—literally ablaze with most handsome carmine-red blossoms, thousands of which are produced on a single plant. Its combined hardiness and character of producing flowers continuously in all kinds of soil and situations under all circumstances are undeniable recommendations; and we certainly know of no plant that produces such an abundance of blossoms for the little care that is necessary to bestow on it. Such an intensely glowing rosy-carmine is unknown in any plant of similar character; and either in flower beds, shrubbery borders, or in the wild garden—in fact, in any position among annuals of any colour or kind of foliage, whether in the background or in the open, this incomparably beautiful plant is charming. There is no plant that is easier to grow. The care given to the most ordinary annual will suit the new Nicotiana admirably, and for a minimum of care a maximum wealth of its Calanthe-like blossoms can be had in the garden all the summer and autumn. It is a plant for the million, and is undoubtedly destined for universal use."

The plant grows about 2 feet high, and is of bushy, branching habit; it therefore, on account of this feature, requires ample room if fine individual plants are desired. Plants should not stand nearer than 2 feet apart for best results. Seed may be sown early indoors, and transplanted outdoors in May, or it may be sown outside as soon as ground becomes warm.

In sealed packets of the introducers, 25c.

NICOTIANA SANDERÆ
Photo reproduction of plant showing its bushy habit and great Production of flowers; grown at St. Albans, England, last season.

THE SHASTA DAISY

While comparatively new, this has been tried for several years and has proved to be all that the originator claimed. It was developed from the common field daisy of the East by Mr. Luther Burbank of Santa Rosa Cal., who on account of his many wonderful creations has been termed the Wizard of Horticulture. Its first qualification is hardiness, Mr. Burbank claiming that it can be grown out of doors by every body, where it is not cold enough to kill oak trees. It is perennial, blooming better and more abundantly each season. It can be multiplied rapidly by simple division, and is not at all particular as to soil. It blooms for several months, in California nearly all the year. The flowers are of the purest glistening white, extremely large and graceful, averaging four inches in diameter, and have often a greater. They have three or four rows of petals, and are borne on stiff, wiry stems, nearly two feet in length. They are among our best flowers for cutting, remaining fresh and in good condition for two weeks on more after being cut. But few flowers possess as many good qualities. Perennials are now more popular than ever. This should be in every collection of such plants. Originator's stock. Pkt. 15c.

A Beautiful Hardy Perennial

EASILY GROWN FROM SEED

Stokesia Cyanea

· · or · ·

(CORN FLOWER ASTER)

THIS beautiful hardy perennial, while a native of this country, is not as well-known as it should be, and like some other plants is better appreciated away from home being much more generally grown in Europe than here. As a single specimen or group in the border its place can hardly be filled by any other hardy plant, while for massing it ranks with such hardy perennials as the Phlox, Paeony and Iris. It is of the easiest culture, succeeds in any sunny location, and blooms the first year from seed. It grows from 1½ to 2 feet high and bears freely from July until frost beautiful lavender blue Centaurea-like flowers averaging more than four inches in diameter. These are valuable for cutting, supplying a shade of color not especially plentiful at any time. Pkt. 10c.

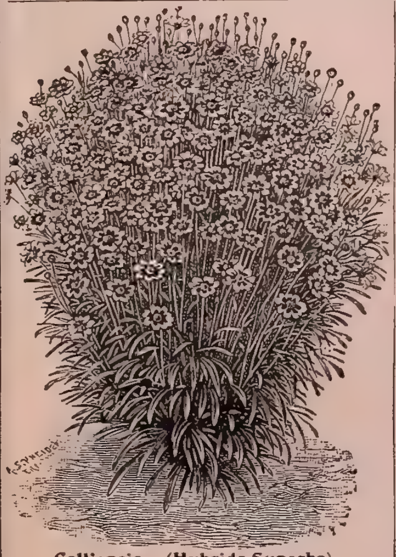
STOKESIA CYANEA.

New Large-Flowering Sweet Sultan. (Centaurea Imperialis)

So much superior is this new strain to the old well-known type of Sweet Sultan that we are induced to place it among our novelties. This class is by far the best of all the Sweet Sultans for cut flower purposes. The large flowers are borne on long stiff stems, are of very graceful and artistic form, deliciously fragrant and keep well in water, lasting a week or more if cut just as they are about to open. The colors are varied from a pure glistening white to purple through shades of pink, rose, crimson, lavender, lilac and violet. The plant is of much stronger growth than any other Sweet Sultan, and of easy culture, thriving in nearly all situations but preferring a cool one. Finest mixed. Our own mixture of the separate colors. Pkt. 10c.

CALLIOPSIS. Hybrida Superba.

A new variety of that ever popular annual, the Calliopsis, which for freedom of bloom surpasses most others of this free-flowering family. The plant is of dense bushy form as shown by the illustration, grows about 16 inches high and is covered throughout the season with beautiful flowers in all shades of yellow and orange to the deepest velvety brown. Effective in groups or borders and very desirable as cut flowers. Of the easiest culture. Pkt. 5c.


Calliopsis. (Hybrida Superba).

Double Dwarf Erfurt Clove Pink.

(Dianthus plumarius nanus fl. pl.)

This new strain of hardy perennial garden Pink is a great improvement on the old Clove Pink, flowering fully two weeks earlier, is of dwarf habit, not over 12 inches high and of much more compact form. It possesses the same spicy fragrance of the old and has a much richer variety of coloring. The Clove Pink should be in every collection of perennials, in fact in every flower garden if possible. Pkt. 20c., 3 for 50c.

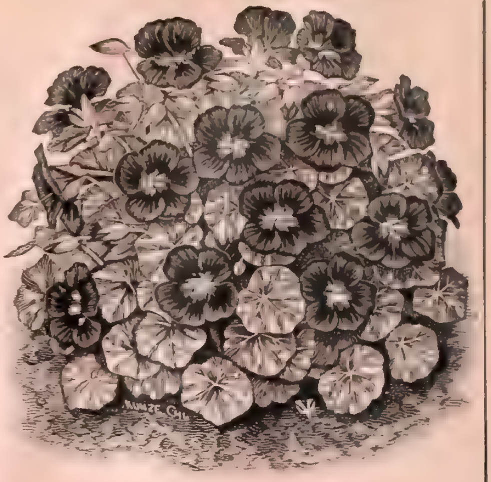
Single varieties may be found in our general list under the head of Hardy Carnations. Unlike most seedsmen we list this class (Dianthus plumarius) under the head of Carnation (Dianthus caryophyllus) on account of the similar color of its foliage and fragrance of the flowers and to make the class distinctive from that of the common China or Indian Pink (Dianthus chinensis and its many varieties) found in our general list under the head of Pink.

TWO NEW DWARF NASTURTIUMS

Queen of Tom Thumbs with Silvery Variegated Foliage

This new and entirely distinct Dwarf Nasturtium is one of the most charming novelties, strikingly beautiful, and is destined to be one of the most popular ever introduced. The flowers are a rich bright crimson, forming a striking and pleasing contrast to the silvery variegated foliage. Were there no flowers, the plant would still be worthy of cultivation, because of its unique foliage. The plant blooms as freely as other varieties of Nasturtiums, and, unlike most other variegated plants, comes true from seed; producing 90 per cent. with true variegated foliage. It is very dwarf and compact, making it a great acquisition as a bedding plant. Pkt. 10c.

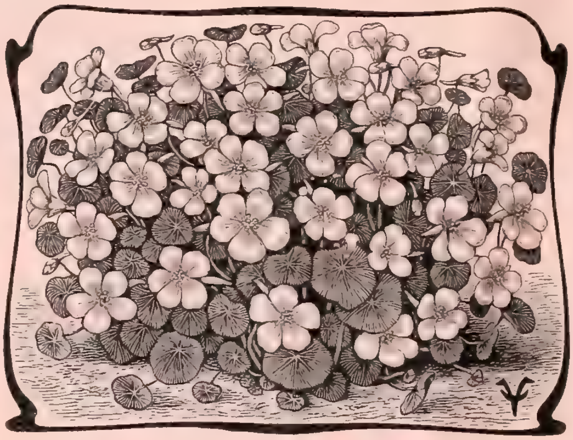
A pleasing contrast of foliage could be secured by planting a bed with the Queen of Tom Thumbs, Snow Queen, Empress of India, King Theodore and Cloth of Gold. (See general list for descriptions of the last three.) One packet each of the five varieties, 25c.



Nasturtium, Queen of Tom Thumbs

Nasturtium, Snow Queen

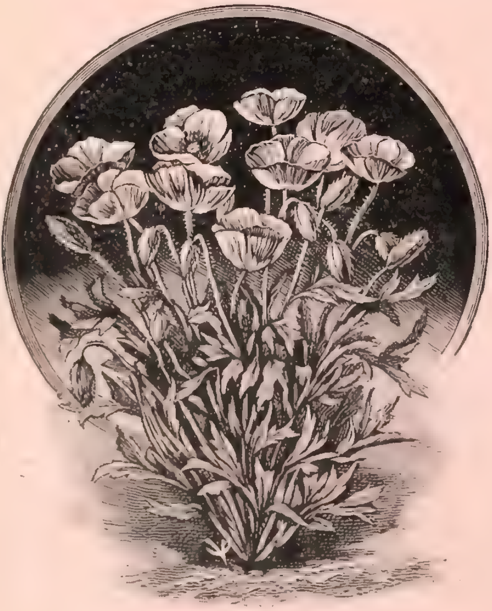
This new Dwarf Nasturtium is a selection from the Lilliput, and is introduced as the first real white Nasturtium. The flowers, however, when first opened, are of a yellowish tinge, soon turning white at the edges, and on the second day the whole flower becomes pure paper-white. The plant is of compact bushy form with light green foliage, and produces freely its attractive flowers well above it. Notwithstanding the already large list of varieties, this will be found a pleasing variation. Pkt. 10c.



Nasturtium, Snow Queen

New Climbing Nasturtium, Black Prince

This new variety is claimed by the introducer to be the darkest colored of all climbing Nasturtiums and much darker than the well-known King of the Blacks. When buds are unfolding the color is a deep blackish-purple, which changes to a velvety black when flowers are fully expanded. Another striking and very desirable feature is the color of the foliage, which is, like that of the Dwarf Nasturtium "Empress of India," a beautiful purplish green, having a bronzy, metallic effect. The plant is of strong, vigorous growth, and blooms freely. Planted with the Golden Leaved Scarlet, Pearl and Salmon Queen, a striking and effective display could be secured. Pkt. 10c.



Dwarf Shirley Poppy, Snow White

DWARF SHIRLEY POPPY

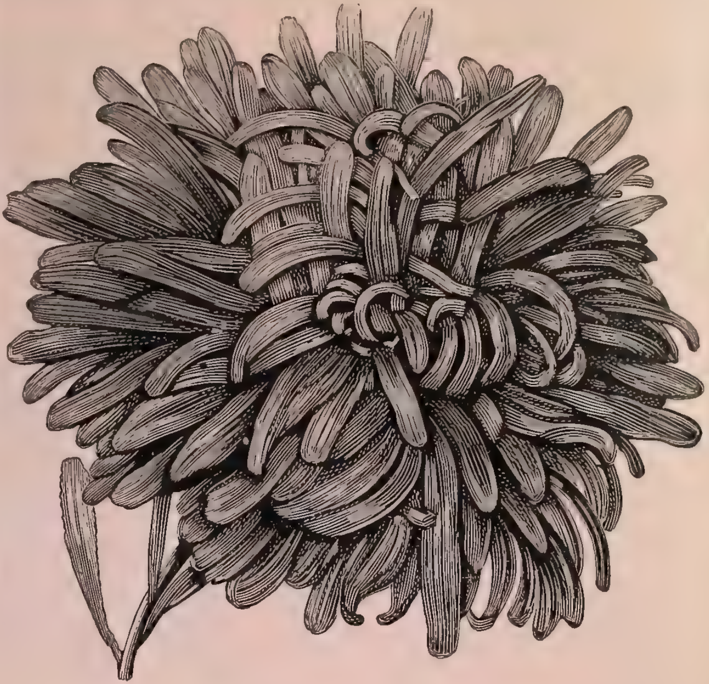
This dwarf strain is identical in every way with the regular strain, except in height, and we think has even a greater range of colors and shades than that. It will be found more suitable for bedding in some places than the taller growing strain. It should be remembered that poppy seed should be sown where the plants are to remain, as they seldom live when transplanted, and also that best results are secured by sowing seed as early as possible. Pkt. 5c.

Dwarf Shirley Poppy, Snow White

No distinct colors have as yet been offered of the very popular Shirley Poppies. This is a selection from the dwarf strain made by a noted German grower, who considers it of great merit. A large proportion of the plants produce pure white flowers, but if, as sometimes happens, some have a slight rose tinge toward the tips of the petals, it is no great objection, and perhaps adds to their attractiveness. Pkt. 10c.

NEW ASTER, GIANT-COMET "RUBY"

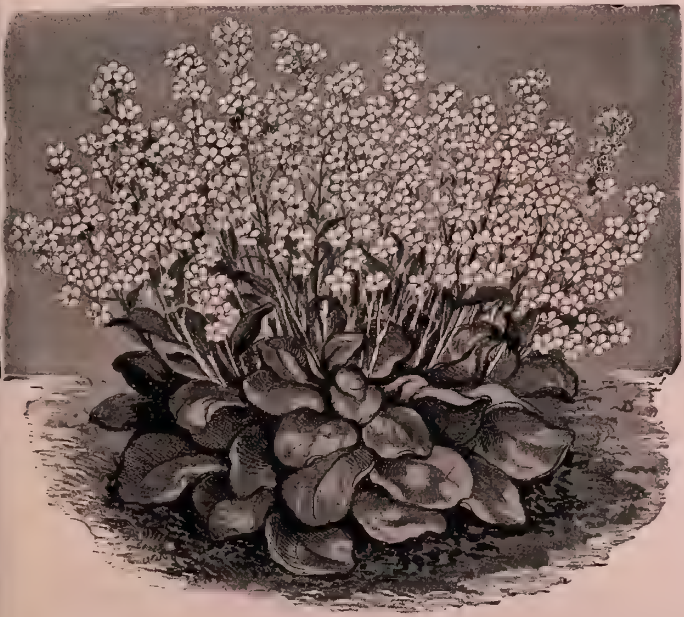
The large, loosely but gracefully built flowers of the Comet Aster are perhaps the most admired of any form of this popular annual. In the Giant Comet Ruby we have a gem of this class. As the illustration shows, the flowers are finely and beautifully curled. In size they are from 3 to 5 inches in diameter; of a lovely bright scarlet when first open, changing later to a deeper shade, and are borne on long stems. The following, quoted from a paper published in Germany, shows the distinctive character of this variety: "This Aster was exhibited on September 24th in Berlin; few of those present recognized at first sight the flowers as Asters; they were taken for Dahlias or Chrysanthemums, until a closer inspection revealed their identity, which proves how this Aster differs in character from others." We believe it will be found a decided acquisition, of great value for cutting, and suitable for all decorative purposes. Pkt. 25c.



New Annual Ever-Blooming Hollyhock

One of the Most Remarkable Novelties Ever Introduced

The stately, beautiful flower, termed by the poet "Queen Hollyhock," has ever been a favorite, but many admirers of it have been deterred from cultivating it, because it can seldom be had in bloom the first year from seed, and perhaps as many others have become discouraged in their attempts to grow it, because of the liability of the young plants to winter-kill, unless given especial winter care. So that while the hollyhock has probably been more largely grown the past ten years than for sometime before, its cultivation has yet been comparatively limited. In this new annual strain we have one with which all can as easily succeed as with any other of the common annuals. Seed sown in the house in March or April, and transplanted to the open ground in May, will commence to bloom in July, and continue until cut down by frost. The range of color is fully equal to that of the best of the old or common type, and in peculiar and charming blending it perhaps surpasses any other strain. The flowers are also of diversified form; there are double, semi-double and single flowers; in some the petals are smooth edged, while others are fringed, and both types have many other diverse features. All are beautiful. The plant is of strong, vigorous growth, attaining a height of from 8 to 10 feet, and is of branching habit. The latter feature may be augmented, if a more bushy form of plant is desired, by pinching the main shoot, which would encourage the growth of side shoots, increasing the blooming capacity of the plant, which is naturally great. The flower buds, borne in clusters, vary in maturity from those just opening to the fully expanded flower, and it is owing to this feature that the plant has such a long period of bloom. The ease with which it can be grown, its remarkably free blooming quality, the peculiar diversity of the flowers in both color and form, and the exceptionally long period of bloom, will all serve to make this an extremely popular plant. Pkt. 15c.



Forget-me-not—The Sylph

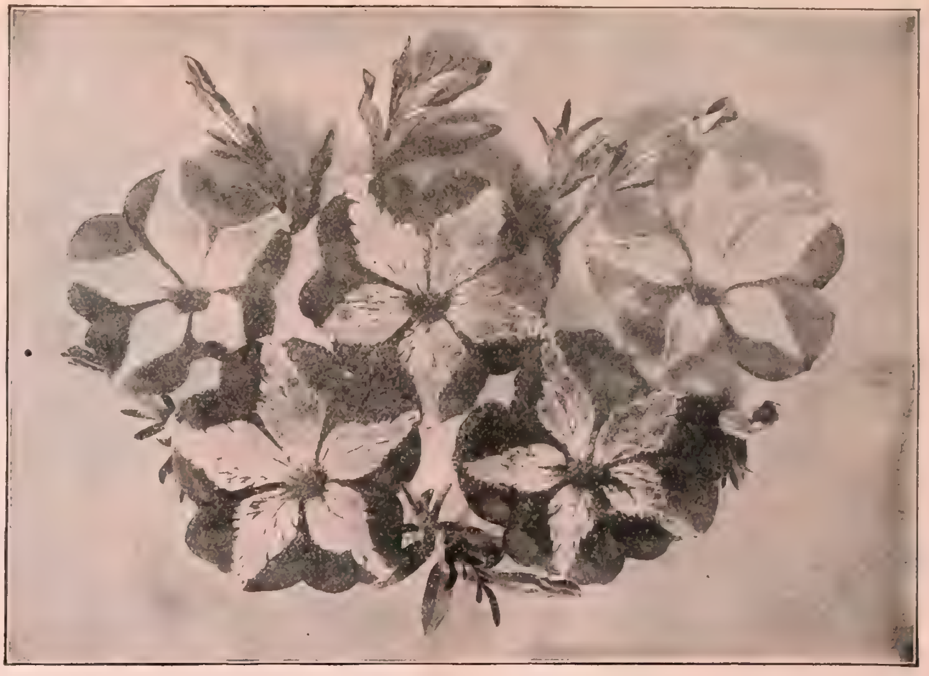
AUSTRALIAN STAR FLOWER CEPHALIPTERUM DRUMMONDI

A half hardy annual lately discovered in West Central Australia, and never before offered. This surpassingly unique and beautiful plant grows readily from seed in any ordinary garden soil. The fragrant flowers, of a peculiarly pleasing rosy crimson shade, sometimes approaching pure white, are produced in graceful clusters which when cut will retain their form and color permanently, no other flower in any way equaling it in grace and keeping qualities. Full grown plants are about one foot high and the same across. Sow early in the open ground, or may be started early in the house and transplanted. Pkt. 15c.

NEW FORGET-ME-NOT (MYSOTIS) The Sylph

A distinct variety, of very dwarf and compact habit, and having peculiarly broad leaves. These are of a dark shining green, and spreading low over the soil, they form a striking and effective setting for the silvery white blossoms, which are borne on strong, stiff stems, rising boldly above the foliage. A productive and charming variety, suitable for either bedding or pot culture. Pkt. 20c.

Howard's New Star Petunia.

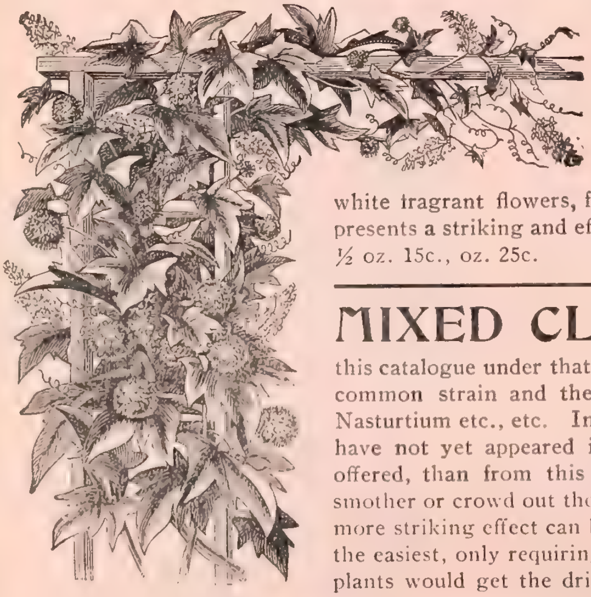


The originators say of this: — "For a period of over twenty years we have made it a study to improve the single flowered, medium sized, multi-flora type of Petunia. By a long course of selection, cross-fertilization and breeding, covering these many years, our efforts have been successful in developing a strain of Petunia that for richness of color, beautiful markings, pleasing form of the flowers that cover the plants in wonderful profusion have won the distinction from expert judges of being, 'the most beautiful Petunia in the world,' a 'new creation,' and 'a revelation to the flower grower.'"

The flower is about two and one-fourth inches in diameter. The ground color is a dark, crimson maroon, with a rich, velvety texture, justly pronounced equal to that of the Pansy. Showing through the ground color are violet veinings. From the center start the points of a five rayed star, which broaden half way up, narrowing to a point at the margin of the flower. This star is a very light, blush pink, some almost white, which deepens in color as it reaches the margin and finally blends with the maroon ground color. Over eigthy per cent of the plants from seed will produce the star markings. Others with veined and feathery markings on dark or light ground are not less surprisingly beautiful. The plants are free growers, branching freely and attaining an average height of 18 inches. They are remarkably prolific bloomers, single plants often having one hundred or more fully expanded flowers at a time." Pkt. 10c.

New Dwarf Large-Flowered SCHIZANTHUS Butterfly Flower or Poor Man's Orchid.

The Schizanthus is of the easiest culture, and the beautiful and unique flowers considerably resemble those of some of the orchids, it has therefore been not inappropriately termed the "poor man's orchid." This new dwarf type forms compact pyramidal plants about a foot high, bearing in great profusion beautiful orchid-like flowers of a remarkably wide range of color. Seed may be sown in the spring out-doors where designed to remain, or started early inside and transplanted when weather is suitable. If sown in August—September, and 3 plants put in a 5 inch pot, it will bloom abundantly through the winter. A decided acquisition to the list of easily grown winter blooming plants, and a charming, and effective novelty for out door culture. Pkt. 15c.



Wild Cucumber.

WILD CUCUMBER.

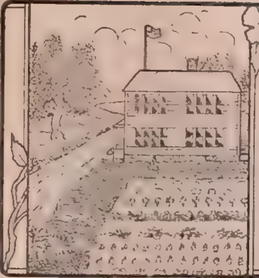
This is the most rapid grower of all annual climbers, and blooms early in the season and continuously until fall. Of the easiest culture growing wild in the west from selfsown seed. One of the most desirable plants for quickly covering any unsightly object; growing thirty feet, and covered with small white fragrant flowers, followed by an abundance of prickly but ornamental seed pods, it at all times presents a striking and effective appearance. Seed may be sown either in the fall or spring. Pkt. 5c., ½ oz. 15c., oz. 25c.

MIXED CLIMBERS.

This mixture is composed of many different climbers, all annuals. It includes all forms of Ipomœa listed in this catalogue under that head, and those forms more commonly known as Morning Glory, (both the common strain and the Japanese,) and Cypress Vine. Also Balloon Vine, Canary Bird Flower, Nasturtium etc., etc. In fact nearly all the climbers, which we offer enter this mixture and a few which have not yet appeared in our list. We believe no more pleasing results can be had from any seeds offered, than from this mixture. If a little pains is taken that the rank growing varieties do not smother or crowd out those of weaker growth, like Cypress Vine, etc, nothing of greater diversity or of more striking effect can be had for anything like the small outlay required for this. The culture is of the easiest, only requiring to be planted in soil of average richness beside a building, (but not where the plants would get the dripping of the eaves,) or beside any tall support, and given the ordinary care required for any common annual. Pkt. 5c., ½ oz. 15c., oz. 25c.

NEW ZINNIA.

Double Fringed. A beautiful new type of this very popular annual, the double flowers having the entirely new feature of deeply cut or fringed petals. The flowers are of good size and of perfect form. We offer a mixture of three distinct colors, Pure White, Bright Rose and Deep Carmine. Pkt. 10c.



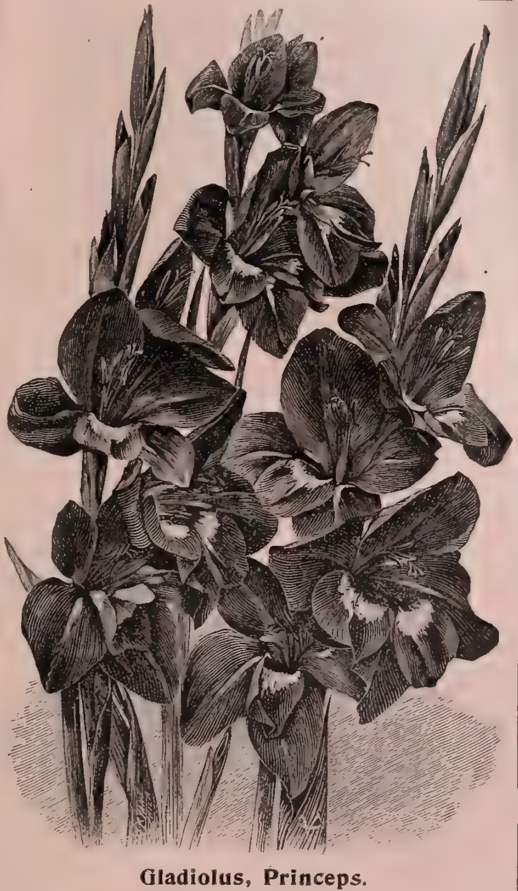
Every Child Should Have a Garden.

Special Offer of Flower and Vegetable Seeds in Collections to School Children under 14 years of age, arranged especially for children living in Worcester County, but will be sent to any address in United States.

The Worcester Horticultural Society has this year, for the first time, decided to officially recognize the work of the children, and has announced that an appropriation of $50, has been made for prizes. It is proposed by the society to hold two exhibitions especially and entirely for the children, one on Saturday, July 29, and the other Saturday, Aug. 26. While our proposition is made to school children, because we assume that all children under 14 are or ought to be such, the society does not thus limit competition, but will allow all children under 14 years of age living in Worcester county to compete, with these conditions, that the whole care of the garden from the planting of the seed to the gathering of the product shall be the work of the child competing, and also that only one child of the family is eligible to compete for the same premium.

To assist the children, and perhaps enable some to engage in this enterprise who otherwise could not, we have prepared Two Collections, one each of Flower and Vegetable seeds, which include all of the separate varieties for which premiums are offered, and also several others suitable for the Flower and Vegetable Collections. These we offer at a great reduction from catalogue rates.

The necessary schedules may be obtained of the Secretary, Mr. A. A. Hixon, at Horticultural Hall, Front Street. He will also give all desired information as to the time of the day exhibitions must be ready, how to make proper selections of specimens, and we venture to assume will be willing to give his valuable advice as to the best methods to follow in the growing of prize flowers and vegetables. The prizes offered are as follows:



Gladiolus, Princeps.

July 29, Display of flowers grown from seed, not limited as to number of varieties, five premiums $1, 80, 60, 40 and 20 cents.

Display of Drummond Phlox, China Pinks and Sweet Peas, five premiums for each, 50, 40, 30, 20 and 10 cents.

For meritorious exhibits of other flowers grown from seed, gratuities.

Collection of vegetables, not limited as to number of varieties — five premiums. $1, 80, 60, 40 and 20 cents.

Beets, 6 specimens; Peas, 2 quarts; Beans, 2 quarts; Summer Squash, one.

Five premiums for each, 50, 40, 30, 20 and 10 cents.

For meritorious exhibits of other vegetables, gratuities.

Aug. 26. Display of flowers grown from seed, five premiums, — the same amounts as on July 29.

Display of Asters, Nasturtiums, Petunias, five premius for each, 50, 40, 30, 20 and 10 cents.

Collection of vegetables, five premiums, — the same amounts and same conditions as on July 29.

Beans, 2 quarts; Carrots, 6 specimens; Beets, 6 specimens; Tomatoes, 6 specimens; Corn, 6 ears; Squash, one

Five premiums for each, 50, 40, 30 20 and 10 cents.

As on July 29, gratuities for meritorious exhibits of flowers and vegetables not named.

Collection of Flower Seeds, 35 cents, Sent Postpaid, If Desired.

This consists of One Ounce of Our Best Mixed Sweet Peas, and One Packet each of the following 13 varieties: Phlox Drummondi; Aster, Worcester Mixed; China Pink; Nasturtium, Worcester Mixed, Tall and Dwarf; Petunia; Ageratum; Alyssum; Bachelor's Button; Calliopsis; Marigold, African and French; Zinnia, Mammoth Mixed.

Collection of Vegetable Seeds, 50 cents, By Mail, Postpaid, 65c.

This consists of a Half Pint each of Golden Wax and Dwarf Horticultural Beans, One Pint Nott's Excelsior Peas, One Large Packet Crosby Corn, and One Packet each (all our regular size) of the following: Beet, Crosby's Early Egyptian; Beet, Detroit Dark Red; Summer Squash; Carrot, Danvers; Tomato, Beauty; Cabbage, Henderson's Early Summer; Cucumber, White Spine; Onion, Yellow Globe Danvers; Pumpkin, Sugar; Squash, Golden Hubbard; Turnip, White Egg.

NEW GLADIOLUS, "PRINCEPS." THE BEST AND LARGEST GLADIOLUS IN EXISTENCE.

The magnificent variety, grown and developed by Dr. Van Fleet, is *the largest and most effective and graceful of all Gladioli.* It grows from 3½ to 4 feet high under ordinary garden conditions; its handsome foliage is a grand setting for the brilliant *Amaryllis-like blooms* which open more widely than any other variety, a characteristic it receives from *G. cruentus*, the mother species. The color is *rich crimson with intense shadings in the throat, and broad white blotches across the lower petals.* The flowers range from *5 to 6 inches in diameter*, and can be grown to nearly 8 inches under stimulating culture. The petals are very wide and much rounded, forming an almost circular flower. From three to six of these immense and brilliant blooms are expanded at a time on each spike, which often produces 16 to 18 flowers during its development. *Princeps* is a most striking variety and the rate of increase is such that in time it can be produced in large quantities for bedding purposes as well as for cutting and exhibition. It endures the sun and wind well, and opens perfectly to the last bud in water. It blooms normally in August, but may be had late in October by delaying planting it. Max Leichtlin, of Germany, the originator of the famous Childsi Gladioli, says of this: "It is the finest Gladiolus in existence." Mr. Luther Burbank, of California known as the "Wizard of Horticulture," says: "By all means the most magnificient of any I have ever seen."

Large Bulbs, each 35c.; 3 for $1.00; dozen $3.50. **Medium Bulbs,** each 30c.; 3 for 80c.; dozen $3.00. **Small Bulbs,** each 25c.; 3 for 65c.; dozen $2.50. All Postpaid.

Under favorable conditions, all sizes will bloom this season.

DAHLIAS

A Few of the Best

FOR OTHER NEW VARIETIES AND THE BEST OF THE OLD SEE PAGES FOLLOWING FLOWER SEEDS

Photo reproduction of an exhibit of 50 blooms made by us at the Dahlia Show of the Worcester Horticultural Society last season on which we secured First Premium.

Giant Flowered Decorative Dahlia Mrs. ROOSEVELT

While given some prominence elsewhere, so greatly pleased were we with this variety last season that we desire to more fully describe it. The flowers are of enormous size, generally over 6 inches in diameter, sometimes 8. They are always perfectly double and very seldom have other than perfect centers. The color is a delicate blush-pink shading to clear soft pink. That which makes this variety of especial value is the combination of largest size and an enormous production of perfect flowers. No other of equal size blooms as freely and but few approach, this grand variety in this respect, producing as it does its immense flowers as freely as many of the smaller flowered varieties noted for their great freedom of bloom. The flowers also have extra long and strong stems and are entirely free from the drooping habit common with some of this class especially the Grand Duke Alexis with which this is often compared in size; they are the best of all large flowered varieties for cutting, remaining in good condition longer than most others and when put in large vases make an effective display not surpassed if equaled by any other variety. The plant is of strong vigorous growth, taller than most others and being always in bloom makes a striking effect, either planted singly or in groups. We cannot too highly recommend this variety. Plants, each 30c., 3 for 75c.

GETTYSBURG

Another New Large Flowered Variety Of The Decorative Class

An extremely large flowered variety with full, round high center; bright, rich, pure scarlet. An early and extremely profuse bloomer for so large a flower. The plant is a strong, vigorous, but dwarfer grower than the preceding. Plants, each 30c , 3 for 50c.

Dr. KIRKLAND

A Giant Show Dahlia

While not a new variety this is so greatly superior to any of its class and color and indeed to nearly all others of any class that too prominent a place or mention cannot be made of it. Why it is not more generally offered we cannot understand. A giant in size even among other large flowers, it is of the finest form, beautiful in color and unlike many other extra large varieties the plant blooms freely. In addition to these features is that of a very long stiff stem making it especially desirable for large vases. The color is a rich crimson-red. It should be in the possession of every grower of dahlias. Roots each 20c., 3 for 50c.

CUBAN GIANT *A New Giant Flowered Show Dahlia*

Described by the introducer as follows. "Of immense size, 6 to 7 inches in diameter; full, round form, and a free bloomer. Color dark glowing crimson, shaded maroon. The plant is a very strong vigorous grower and profuse bloomer. This variety is truly a giant in both flower and plant, the branches being heavy and sturdy, with large, broad, glossy green leaves. The largest of all Show Dahlias." Plants, each 30c., 3 for 75c.

Mad. Van der Dael

A New Decorative Variety Similar In Color To The popular "Nymphaea"

A grand dahlia of immense size and beautiful form, color soft shell-pink, with deeper markings. It can perhaps be best described as an immense-flowered Nymphæa. The flowers often measure 6 to 7 inches in diameter. A strong branching grower and profuse bloomer making a beautiful plant. Plants, each 30c., 3 for 75c.

A SUPERB NEW CACTUS DAHLIA KRIEMHILDE

The largest grower of dahlias in this country has in substance, this to say of it. This new variety has more good qualities than any other Cactus Dahlia, yet produced. As every one knows, we have never yet had a pure pink Cactus, and even the imitations we had were of inferior quality, with poor, weak drooping necks, were poor bloomers or poor growers, the best of them all, Delicata being a most unsatisfactory grower. The color of Kriemhilde is a fresh delicate pink, shading to white in the center; the form is all that could be asked. The plant is a strong vigorous grower of upright habit and blooms profusely, the stems of the flowers are strong, holding the latter up stiff, making them of great value for all cut-flower purposes In addition to all of these good qualities Kriemhilde surpasses any other Cactus Dahlia in the keeping quality of its flowers. It will carry and last two days longer than any other of this class. Therefore we cannot too highly recommend it. Plants, each 30c., 3 for 75c.

ALL varieties sent postpaid at prices quoted. Plants ready about April 25; when orders will be filled if desired, although we do not advise planting so early. Please note that it sometimes happens that we are obliged to fill orders from two points, from our store and from the greenhouses of the grower. Customers therefore need not be alarmed nor think we have overlooked some varieties if all are not received at once. *Wait a few days before writing us regarding apparent shortages.*

GENERAL LIST OF VEGETABLE SEEDS

Seeds by Mail. All Seeds by the Packet, Ounce and Quarter-Pound, are sent post-paid at prices quoted, but all Seeds sold by weight above a quarter-pound require an additional remittance for postage at the rate of 8 cents per pound, and those sold by measure—Beans, Peas and Corn, except in some instances noted as post-paid, require additional amounts as follows: Beans and Peas—Quart, 15 cents; Pint, 8 cents; Half Pint, 4 cents. Corn—Quart, 10 cents: Pint, 5 cents: Half-Pint, 3 cents.

N. B. Customers should bear in mind that we are one of the few seed firms who offer Beans, Peas and Corn by the Half-Pint instead of Packet. The latter term when applied to these seeds must always be an indefinite one to the buyer and is probably often a cause of disappointment to him.

Special Offer to Purchasers of Seeds in Packets.

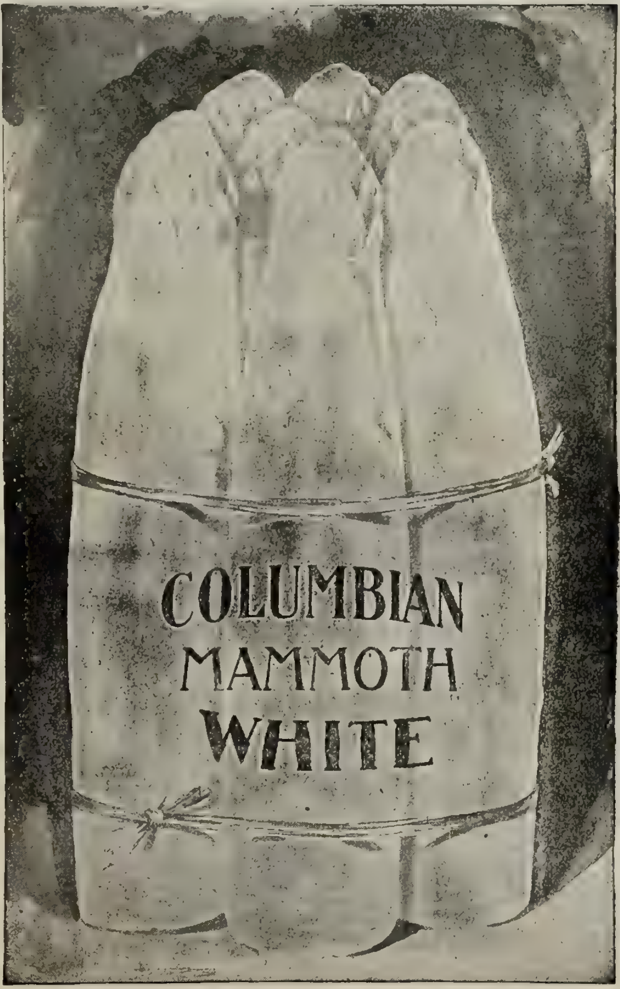
PURCHASERS OF SEEDS IN PACKETS ONLY, MAY SELECT ADDITIONAL SEEDS IN *PACKETS*, as follows:

For 50 cents, seeds in packets may be selected amounting to 65 cents.
For $1.00 " " " " " $1.35
For $2.00 " " " " " $3.00

DO NOT ORDER SEEDS IN BULK EXPECTING THIS OFFER WILL APPLY.

Our Dollar Collection of Vegetable Seeds

Described on one of the preceding pages of novelties, is the Best Value We Ever Offered. Full Sized Packets, Many Novelties, Best Standard Varieties, Enough to plant an ordinary sized garden. A Complete list. Turn back and see what it includes. While searching for it you may take time to read the descriptions of some of the novelties offered in it. Sent Post-paid or if ordered sent by express, additional (Flower) seeds may be selected.



Asparagus

Barr's Mammoth. Originated in Philadelphia and very popular in that market. Claimed to grow twice as large and to be more productive than Conover's Colossal.

Columbian Mammoth White. A distinct and valuable variety. Stocks are very large and clear white until three or four inches high.

Conover's Colossal. An old standard variety, largely grown.

Donald's Elmira. A new and popular sort; originated in Elmira, N. Y., by Mr. Donald. Claimed by some to be the largest and of the best quality of all varieties.

The Palmetto. Claimed by the introducers to be much earlier and a better yielder than the Colossal, and more even and regular in growth.

Each variety—Pkt. 5c., oz. 10c., 2 ozs. 15c., ¼-lb. 25c., lb. 75c.

Asparagus Roots.

All varieties, by mail or express prepaid, per 50, 65 cents. By express or freight not prepaid, per 100, 80 cents; per 1000, $5.50.

Before Ordering Asparagus Roots, kindly read the following;

As it sometimes happens that the crop of some varieties of Asparagus Roots is very short, but which we are not always able to determine at the time of writing our catalogue, and also that toward the last of the season our stock of some is liable to be exhausted, we reserve the right to make substitutions of varieties without further notice. Customers, therefore, desiring that their orders shall be filled only as ordered will please so state distinctly in their orders, and we suggest that it would be well, especially when the season is considerably advanced, for customers to indicate what their preference would be in case our stock of the variety ordered should be exhausted.

☞ Before Ordering, if you will Carefully Read what we say above regarding our Special Offer and Postage,
☞ IT MAY SAVE YOU A DISAPPOINTMENT OR DELAY.

BEANS

DWARF or BUSH

Green Podded Varieties

Early Red Valentine. An old well-known, extra-early variety, deserving its popularity as a snap or string bean. Pods round, meaty and tender, and of the finest texture and quality. Very productive. ½ pt. 10c., pt. 15c., qt. 25c., 2 qts. 45c., ½ pk. 80c., pk. $1.50.

Mammoth Green Pod, Stringless. A valuable addition to the list of green-podded string beans. The vine is of vigorous habit, healthy and productive. Pods are considerably larger than those of the Valentine. Not quite as fine in texture, fully as meaty, and remain tender and crisp longer. ½ pt. 10c., pt. 15c., qt. 30c., 2 qts. 50c., ½ pk. 90c., pk. $1.75.

Early Long Yellow Six Weeks. An old standard variety, used both as a string and shell sort. ½ pt. 8c., pt. 12c., qt. 20c., 2 qts. 40c., ½ pk. 70c., pk. $1.25.

Early China Red Eye. Also an old and well-known variety. ½ pt. 8c., pt. 12c., qt. 20c., 2 qts. 40c., ½ pk. 70c., pk. $1.25.

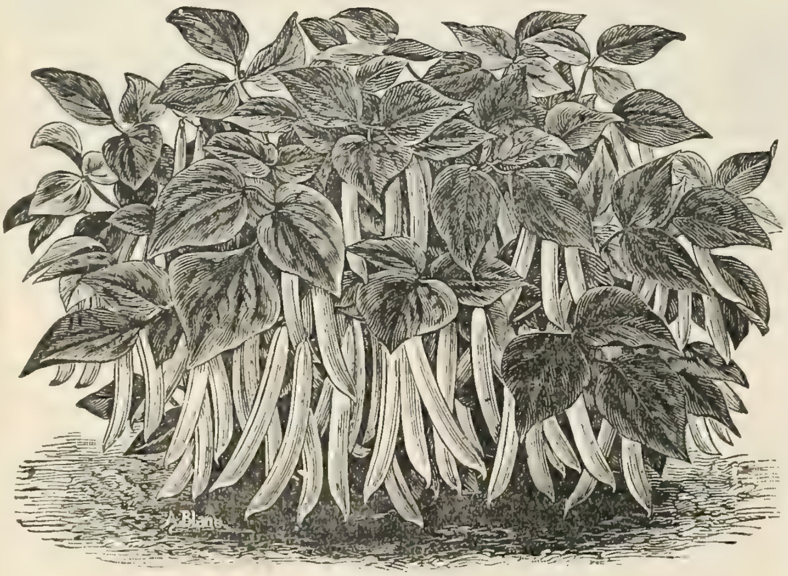
Low's Champion. One of the best varieties for shelling. Beans when ready for use in their green state bright red, becoming darker when dry. Plant vigorous in its growth; less liable to blight or mildew than most other varieties; very productive. Several years ago we catalogued this variety, but the trade in New England demanding the colored or striped podded Horticultural type, the call for this was so limited we were obliged to drop it from our list, which we greatly regretted, as we believed it to be, and still think it is, one of the best, if not the best, variety for the private garden for shelling. As the public has, in a measure, learned its value and the demand has considerably increased, we have again placed it on our list. ½ pt. 10c., pt. 15c., qt. 25c., 2 qts. 45c., ½ pk. 75c., pk. $1.40.

Dwarf Horticultural or Speckled Cranberry. The standard green shell bean throughout New England. Beans oval, large, yellowish brown, considerably splashed with red and of excellent quality. Pods yellowish green splashed with carmine, and, when free from rust and blight, very showy. ½ pt. 10c., pt. 15c., qt. 25c., 2 qts. 45c., ¼ pk. 80c., pk. $1.50.

Best of All. An early variety of the Horticultural type. Beans kidney-shaped and similar in color to the Dwarf Horticultural. Pods long, straight and more slender than of that variety; they are, when fit for use as a string bean, of a peculiar deep green, becoming lighter, with splashes of red, when at the stage suitable for shelling. Although the coloring on the pods is not so bright and distinct as on those of the Dwarf Horticultural, the pods are yet very attractive, and the earliness, hardiness, vigor and productiveness of the vine make this variety valuable both for the market and home garden, either as a string bean or for shelling. ½ pt. 10c., pt. 15c., qt. 25c., 2 qts. 45c., ½ pk. 75c., pk. $1.40.

Goddard or Boston Favorite. Beans large and long, similar in color to all Horticultural varieties. Pods long, yellowish green, splashed with crimson. Very attractive and equal in size to those of many pole beans. Vines large, of strong, vigorous branching habit, inclined to run, and very productive. Later than preceding varieties. ½ pt. 10c., pt. 15c., qt. 25c., 2 qts. 45c., ½ pk. 80c., pk. $1.50.

Improved Goddard. Has all the desirable qualities of the regular strain. *But is entirely free from runners.* Since its introduction the Goddard has always been a popular second-early sort, its hardiness, vigor, large beans, and long, straight, handsome, bright-colored pods making it so; but it has always had the vexing habit of running badly, a trait which prevented its use by some. In the Improved Goddard we have a variety in which this tendency has been overcome, making it a great improvement on the old. It also is a few days earlier, and has better colored pods. ½ pt. 10c., pt. 15c., qt. 30c., 2 qts. 50c., ½ pk. 90c., pk. $1.65.



Golden Eyed Wax.

DWARF WAX OR BUTTER BEANS.

Black or German Wax. One of the oldest wax sorts. Pods round, meaty, tender and of finest flavor, but small. More liable to rust than other good varieties, but when free from rust and blight few equal it in quality.

Currie's Rust Proof Black Wax. Beans brownish black; pods flat, of good length, showy and of fine quality. Well merits the name of rust-proof.

Davis' White Kidney Wax. Claimed by the introducers to be "earlier, hardier, more prolific, handsomer and a better seller than any of all the wax varieties," a claim which the opinion of many who have grown it, to a considerable extent, verifies.

Detroit Wax. An excellent variety. Plant hardy and productive; pods straight, flat. but broader than the Golden Wax, of beautiful wax color, when grown to a size suitable for use; keep crisp and bright long after picking, very seldom rust, and are of good quality. Beans white, with a patch of brown about the eye, similar in shape to the White Marrow, and equally as good for baking.

Golden Wax. For a long time the standard wax bean and still a great favorite. Pods long, nearly straight, flat, golden yellow with short green points, stringless, fleshy and tender. Beans medium sized, ovals ground white, covered more or less with purplish red, different crops varying considerably in appearance, owing probably to soil or location in which they were grown. Plant vigorous and productive.

Golden-Eyed Wax. One of the best wax beans for the market-gardener. Although not equal in quality to some others, its hardiness, entire freedom from rust, earliness and productiveness make it a profitable variety.

Wardwell's Kidney Wax. Although not quite as early as some of the preceding varieties, it is one of the best. The vine is of very strong, vigorous growth, healthy and productive. The pods are long, nearly straight, very white, wax-like and attractive. They are also of especially good quality. This variety has in recent years been growing in popularity with market-gardeners.

All of the preceding Wax varieties at uniform prices. ½ pt. 10c., pt. 20c., qt. 35c., 2 qts. 65c., ½ pk. $1.10, pk. $2.00, bush. $7.00.

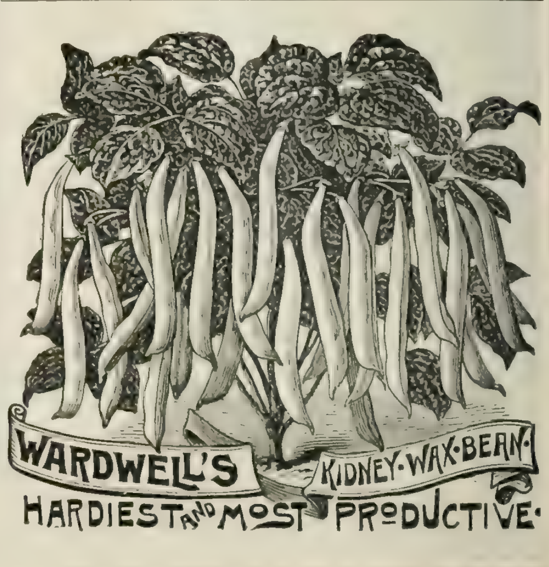
If desired by mail add to prices of ½ pt. 4c., pt. 8c., qt. 15c.

Two Varieties of recent origin worthy a place in all gardens.

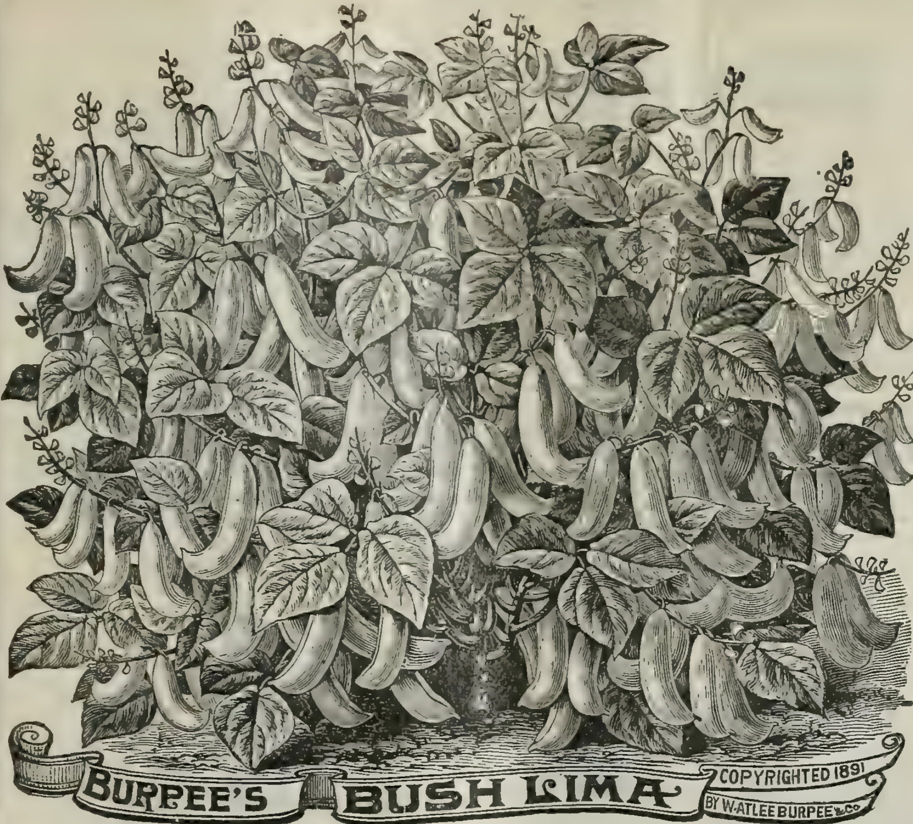
The first is desirable for both the market and home garden, and the second especially for the latter, on account of the size of the pod as well as its fine quality.

Jones' Stringless Wax. A new white-seeded variety of great beauty and unsurpassed quality. It is the result of crossing a white-seeded variety with the Yosemite, retaining the good qualities while its faults of shy bearing and ill-formed pods are eliminated. The pods of the Jones Stringless Wax are long, round, fleshy, entirely stringless and uniformly well shaped. The plant is wonderfully productive, hardy and rust-proof and matures the handsome pods very early. Another feature of this and other white-seeded varieties worthy of consideration is that, if for any reason, the product cannot be used or sold as string beans, it may be used as green-shelled beans or matured and used or sold in the dry state for baking. ½ pt. 15c., pt. 25c.. qt. 40c., 2 qts. 75c., ½ pk. $1.25, pk. $2.25.

Golden Crown Wax. In this variety we have the result of another cross of the Yosemite and the Ivory Pod Wax, in which the good qualities of both are combined, with none of the defects of either. The pods are beautiful golden yellow, as large as those of the Yosemite, of even better quality and perfect in shape. The plant is of strong, vigorous habit and very productive. The seeds of this are also white. Those who have hitherto planted the Yosemite will find in this a variety equal in size and superior in quality. ½ pt. 15c., pt. 25c., qt. 40c., 2 qts. 75c., ½ pk. $1.25, pk. $2.25.


WARDWELL'S
KIDNEY-WAX-BEAN.
HARDIEST AND MOST PRODUCTIVE.

If larger quantities of the Green Podded Varieties are desired than are here quoted, WRITE FOR SPECIAL PRICES.



BEANS DWARF LIMA

Henderson's Bush Lima. This variety is especially valuable on account of its earliness; a bush form of the Early Sieva Lima and has the small beans of that variety. ½ pt. 10c., pt. 15c., qt. 30c., 2 qts. 50c., ½ pk. 90c., pk. $1.65.

Burpee's Bush Lima. A bush form of the large Lima. Grows uniformly dwarf. Beans are equal in size and quality to the large Lima. By far the most popular of this class. ½ pt. 10c., pt. 20c., qt. 35c., 2 qts. 60c., ½ pk. $1.00, pk. $1.85.

Dreer's Bush Lima. A bush form of the Dreer's Improved Pole Lima, which is considered by many as the best of all the Limas. ½ pt. 10c., pt. 20c., qt. 35c., 2 qts. 60c., ½ pk. $1.00, pk. $1.85.

LIMA BEANS ☙ Pole or Running.

The Seibert's Lima was developed by a market gardener who selected the largest green beans from the thinnest and most easily opened pods. The vine is very productive and exceptionally hardy and vigorous. It produces pods very early and the beans are of fine quality. The green shelled beans are of immense size, but so tender and succulent that they shrink in drying to about the size of the Large White Lima. In earliness, ease of shelling, size, beauty and quality of the green beans, this new variety is in advance of all other sorts.

King of the Garden Lima. Vine vigorous and productive. Pods very large and well filled with large, white beans, succulent and fine flavored. On account of its large pods a general favorite with market gardeners.

Large White Lima. The old standard sort, yet largely grown, but being to a considerable extent displaced by the newer varieties.

Challenger, or Dreer's Improved Lima. A distinct variety; both pods and beans are shorter but much thicker than other sorts. The pods are borne in clusters, rarely have over four beans, often but three, in a pod, but are always well filled, so that a quantity of them will usually produce more beans than an equal quantity of any other variety. The beans are easily shelled, are of excellent flavor, slightly more mealy than other thinner sorts. The vine is of vigorous growth and very productive, does not produce pods quite as early as the flat pod sorts, but does not differ greatly in this respect from the preceding two varieties. A decided favorite with those who are acquainted with it.

All varieties at uniform prices.—½ pt. 10c., pt. 15c., qt. 30c., 2 qts. 55c., ½ pk. $1.00, pk. $1.75.

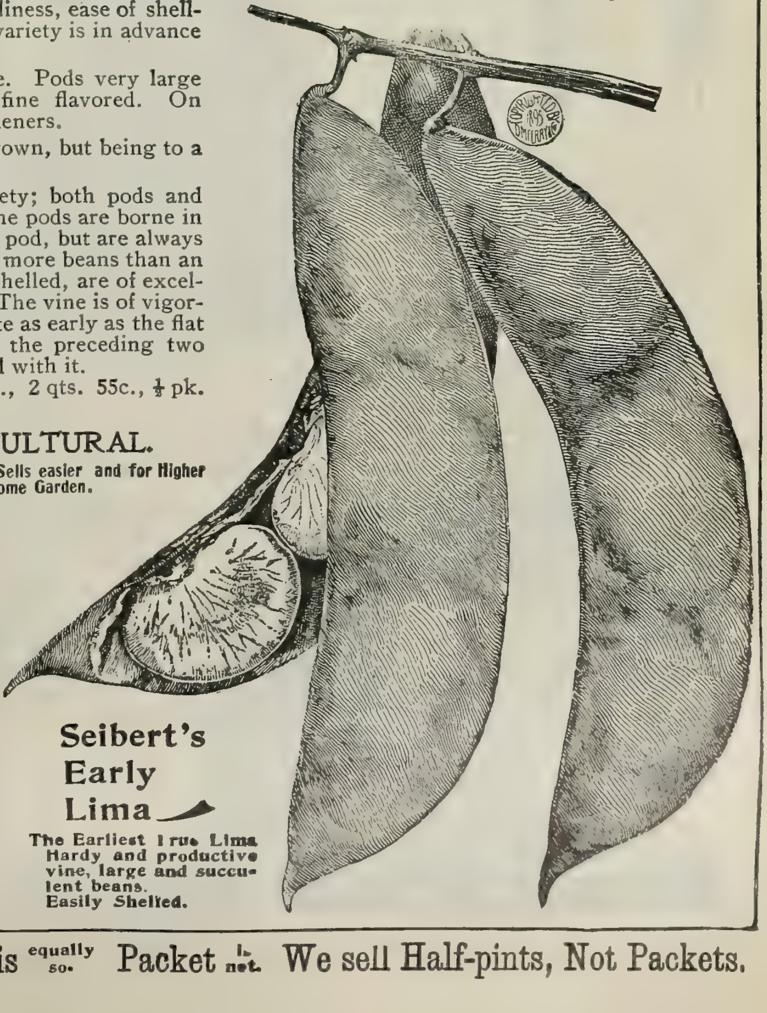
WORCESTER MAMMOTH POLE HORTICULTURAL.

The Largest and Handsomest Beans and Pods. Most productive and thrifty vine. Sells easier and for Higher Price than any other. Best for the Market Garden. Best for the Home Garden.

This variety, while similar in general character to the Horticultural Pole, is much superior in several ways. The beans though closely resembling those of the common strain are so much larger that, if that were the only point of excellence it would be alone sufficient to recommend it for general use, but its strikingly handsome pod combined with its great size are both features of excellence which still further recommend it. Added to these excellent qualities, are those of thrifty, vigorous growth of vine and great productiveness, all making it a variety especially desirable to the market gardener. It easily brings a higher price in the market than any other, and is not excelled by any other sort for the home garden.

½ pt. 10c., pt. 20c., qt. 40c., 2 qts. 75c.,
½ pk. $1.25, pk. $2.25.

If desired by mail add to prices of ½ pt. 4c., pt. 8c., qt. 15c.


COPYRIGHTED BY 1895 J.M. THORBURN & CO

Seibert's Early Lima

The Earliest True Lima. Hardy and productive vine, large and succulent beans. Easily Shelled.

Pint, Quart, Peck, Etc., are Definite Terms. Half-pint is equally so. Packet is not. We sell Half-pints, Not Packets.

BEANS Pole or Running — STANDARD VARIETIES

If desired by Mail add to prices, of ½ pt. 4c., pt. 8c., qt. 15c.

Horticultural, or Speckled Cranberry. A well-known standard variety. Beans similar to Dwarf Horticultural, ½ pt. 10c., pt. 15c., qt. 25c., 2 qts. 45c., ½ pk. 80c., pk. $1.50.

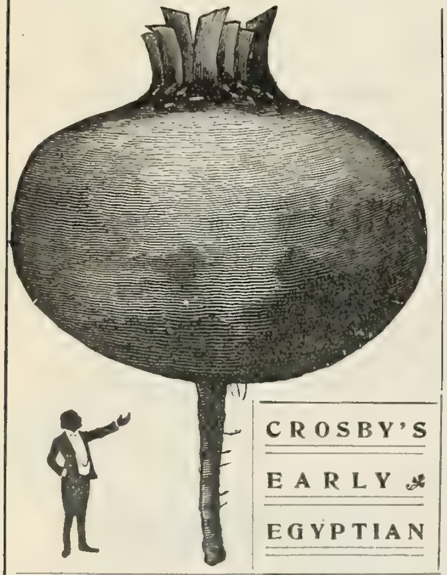
Dutch Caseknife. An old, well-known variety. Beans white, flat, kidney-shaped; pods very long. ½ pt. 10c., pt. 15c., qt. 30c., 2 qts. 50c., ½ pk. 90c., pk. $1.65.

Indian Chief, or Black Wax. One of the best wax pole sorts. Remains in bearing longer than the Dwarf Wax. Beans large, round, black. Pods waxy yellow, remaining in good condition longer than most varieties. ½ pt. 10c., pt. 15c., qt. 30c., 2 qts. 50c., ½ pk. 90c., pk. $1.65.

Old Homestead, or Kentucky Wonder. The earliest pole bean. The pod is very long; silvery green; entirely stringless, and of good quality. It is enormously productive, the pods hanging in clusters from top to bottom of the pole. ½ pt. 10c., pt. 15c., qt. 30c., 2 qts. 50cts., ½ pk. 90c., pk. $1.65.

Scarlet Runner. Largely grown as an ornamental climber; its rapid growth and early production of dazzling scarlet flowers make it a favorite for covering screens, walls, etc. It is also of excellent edible qualities but rarely grown for that purpose.

White Dutch Runner. Pod and vine identical with the Scarlet Runner. Beans and flowers white. Planted with the Scarlet Runner it makes a pleasing contrast; excellent for the table and very productive. Each variety ½ pt. 10c., pt. 20c., qt. 35c., 2 qts. 60c., ½ pk. $1.00.



CROSBY'S EARLY EGYPTIAN

BEET

If larger quantities than one-quarter pound are desired by mail add to prices at the rate of 8 cents per pound.

Early Egyptian. One of the earliest, roots flat; deep crimson, tops small, permitting it to be planted closer than other varietes, especially desirable for forcing as well as for first open ground planting. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 20c., lb. 50c.

Crosby's Early Egyptian. The most popular first early variety and we have found it an excellent sort for late planting having planted it as late as July 29 with very satisfactory result. The roots are much thicker than the Egyptian inclining to spherical and have a very small tap root. Of rich dark color, and good quality. Tops small and mostly dark colored. Pkt, 5c., oz. 10c., 2 oz. 15c., ¼ lb. 20c., lb. 65c.

Faust's Early Crimson. This is also known as Mitchell's. A first early of good quality and form, and as its name indicates, of deep color. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 20c., lb. 50c.

Bastian's Early. A very quick-growing sort, of superior flavor, very tender and sweet, tops of medium size, leaves green, stem pink, roots red, flesh purplish-pink zoned with white; on account of its light color not as popular as its quality would otherwise make it. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 20c., lb. 50c.

Eclipse. One of the earliest globe-shaped varieties, with rather small tops and small tap root, blood-red; of excellent quality. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 20c., lb. 50c.

Arlington Favorite. An excellent variety of globular form and deep color, especially desirable to follow the first earlies. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 20c., lb. 50c.

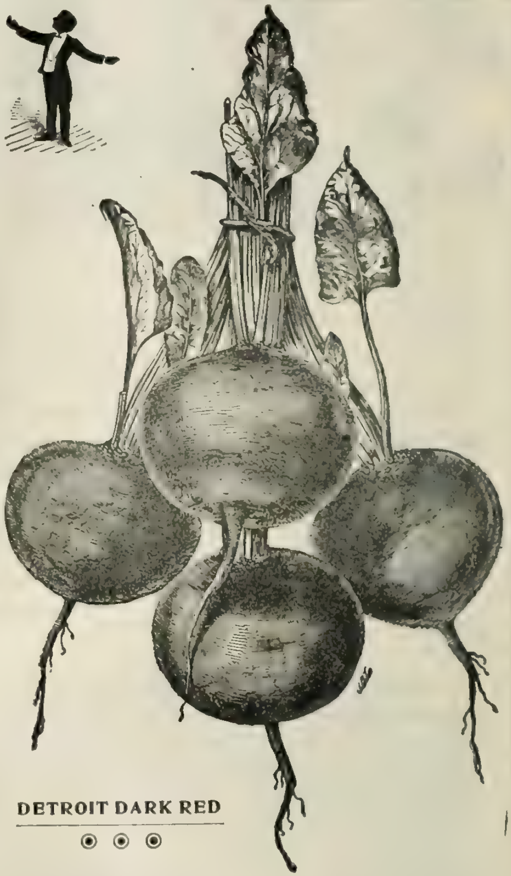
Detroit Dark Red. Rapidly becoming one of the most popular main crop varieties. Roots globular sometimes inclined to ovoid, skin dark blood-red, flesh bright red zoned with a lighter shade, of the finest quality. Top small and upright, leaf green with dark red stems and veins. One of the finest bred varieties in cultivation. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 20c., lb. 60c.

Crimson Globe. Roots perfectly globular, one of the earliest of this shape, flesh dark; skin a shade lighter, Seldom grows over large and is a favorite with some for late as well as early planting. Pkt. 5c., oz. 10c., 2 oz., 15c., ¼ lb. 20c., lb. 60c.

Edmand's Early Blood Turnip. Used largely for main crop. Roots somewhat more inclined to globular than the old strain of Blood Turnip, skin dark red, flesh purplish zoned with lighter shade; tender and sweet and an excellent keeper. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 20c., lb. 50c.

Dewing's Improved Blood Turnip. This has been more largely used for main and winter crop than any other. It is being to some extent displaced by newer varieties but is yet extensively planted and is an excellent sort. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 20c., lb. 50c.

Swiss Chard. Used for Greens only, at first entire, later the leaf stalks are sometimes used separately, cooked like Asparagus. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 20c., lb. 50.



DETROIT DARK RED

Sugar Beet and Mangel Wurzels

Lane's Sugar. An improvement on the old white French, recommended as hardier and as containing a larger percentage of sugar.

Mammoth Long Red Mangel. A variety of mammoth size; skin light red, flesh white and rose. Grows well out of ground; extensively used in all sections.

Norbiton Giant Long Red. Similar to the preceding; has smaller top and neck; flesh scarlet.

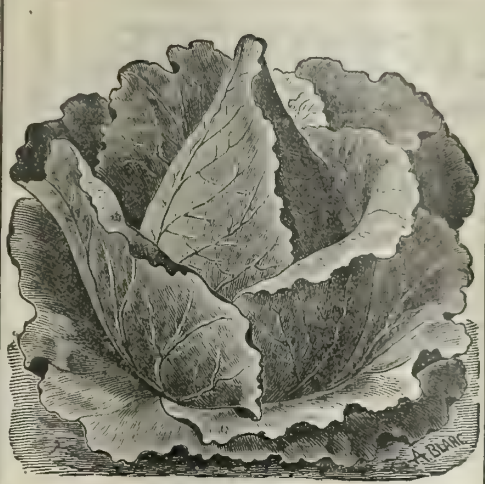
Golden Tankard. Top and neck very small; root ovoid, large; flesh yellow, zoned with white; an excellent sort.

Orange Globe. One of the best, top small, root medium size, skin deep orange yellow, flesh white. Grows almost entirely out of the ground; good for shallow ground; easy to harvest. Prices uniform on all: ¼ lb., 15c., ½ lb. 20c., lb. 35c., 5 lb. lots per lb. 30c.

Brussels Sprouts.

A very hardy plant of the Cabbage family, growing from two to three feet high, producing at the axils of the leaves the whole length of the stem small heads about two inches in diameter, resembling a cabbage and considered by some to be of finer flavor.

Best Imported. Pkt. 5c., ½ oz. 10c., oz. 15c., 2 oz. 25c., ¼ lb. 40c.



Early Winningstadt.

CABBAGE

Early Express. The earliest variety; head oval, similar in shape to the old Dwarf Early York. M. Vilmorin of Paris, France, a seedsman of world-wide reputation, places this at the head of the first early varieties. Pkt. 5c., ½ oz. 12c., oz. 20c., 2 oz. 35c., ¼ lb. 60c., 1 lb. $2.00.

Early Jersey Wakefield. The standard early variety. Heads conical, very compact and solid. Can be set closer than most varieties. Pkt. 5c., ½ oz. 15c., oz. 25c., 2 oz. 40c., ¼ lb. 70c., lb. $2.50.

Charleston Early Wakefield. A selection of the Jersey Wakefield, a few days later but much larger. Pkt. 5c., ½ oz. 15c., oz. 30c., 2 oz. 50c., ¼ lb. 85c., lb. $3.00.

Henderson's Early Summer. An early large heading sort. Heads flat, sometimes slightly conical with large outer leaves; very popular with market gardeners. Pkt. 5c., ½ oz. 12c., oz. 20c., 2 oz. 35c., ¼ lb. 60c., lb. $2.00.

All Seasons. A variety which for reliability in heading is not exceeded by any other, if indeed equaled. Its rapid growth and good size make it desirable for either early or late planting, and for the latter purpose it has become very popular. Heads are large and solid, round, flattened on the top, and when mature will remain longer in the field without bursting than most other varieties. Pkt. 5c., ½ oz. 12c., oz. 20c., 2 oz. 35c., ¼ lb. 60c., lb. $2.00.

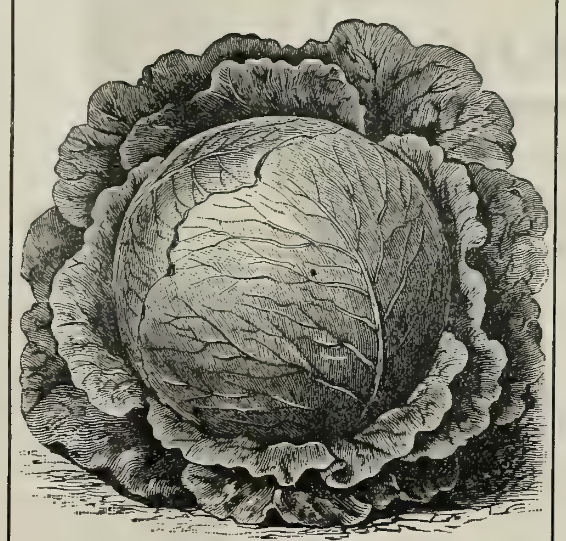
Early Winningstadt. Heads large, cone-shaped and solid; one of the best for all soils. Pkt. 5c., ½ oz. 10c., oz. 15c., 2 oz. 25c., ¼ lb. 45c., lb. $1.75.

Surehead. Remarkable for its certainty to head and for uniformity. Heads large, of the Flat Dutch type with few outer leaves; are sweet flavored and keep well. Pkt. 5c., ½ oz. 12c., oz. 20c., 2 oz. 35c., ¼ lb. 60c., lb. $2.00.

Warren Stone Mason. An improvement on the Stone Mason which for years was one of the most popular varieties in New England. This is earlier, more nearly round and more solid; one of the very best for winter use. Pkt. 5c., ½ oz. 12c., oz. 20c., 2 oz. 35c., ¼ lb. 60c., lb. $2.00.

Autumn King, or World Beater. One of the largest hard-heading varieties, with few outer leaves, allowing it to be planted closer than others of its size. These leaves are peculiarly crimped, marking it as a distinct variety. An excellent keeper. Pkt. 5c., ½ oz. 15c., oz. 25c., 2 oz. 40c., ¼ lb. 70c., lb. $2.50.

Marblehead Mammoth. A late variety, the largest of all cabbages; heads have been grown weighing sixty pounds. Pkt. 5c., ½ oz. 10c., oz. 20c., 2 oz. 35c., ¼ lb. 60c., lb. $2.00.



Danish Ballhead.

Henderson's Succession. Very similar to All Seasons but earlier. A sure header and good keeper. Pkt. 5c., ½ oz. 12c., oz. 20c., 2 oz. 35c., ¼ lb. 60c., lb. $2.00.

Fottler's Brunswick. One of the earliest large Drumhead varieties. It has been in New England one of the most popular cabbages grown, both as a second early and for late planting. Is a fair keeper and of excellent quality. Pkt. 5c., ½ oz. 12c., oz. 20c., 2 oz. 35c., ¼ lb. 60c., lb. $2.00.

Premium Flat Dutch, An old well-known variety, yet very popular. Heads flat, large and solid. Very reliable in heading. Pkt. 5c., ½ oz. 12c., oz. 20c., 2 oz. 35c., ¼ lb. 60c., lb. $2.00.

American Improved Savoy. An improvement on the Green Globe Savoy; very reliable for heading. Pkt. 5c., ½ oz. 12c., oz. 20c., 2 oz. 35c., ¼ lb. 60c., lb. $2.00.

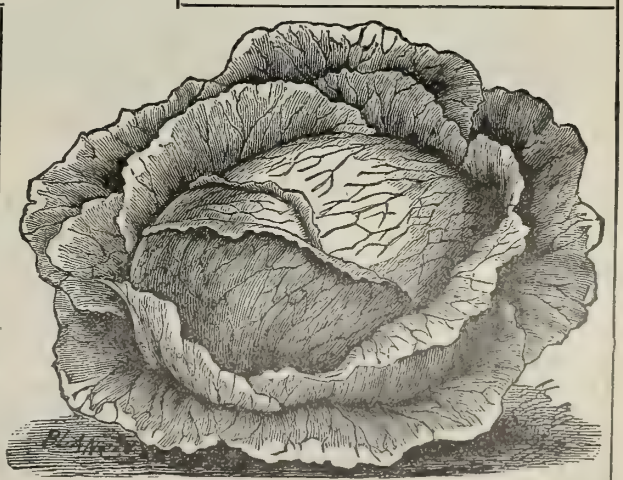
The Volga. A new late variety. *See novelty pages for description and prices.*

Danish Ballhead. One of the most popular late cabbages ever introduced. Heads are of medium size, round and remarkably solid and heavy, averaging one-fourth heavier than most varities, and are the best of keepers. The stumps, like those of many foreign varieties, are longer than those of our native sorts, though some improvement has been made in late years. Seed should be sown about two weeks earlier than of native varieties. Pkt. 5c., ½ oz. 15c., oz. 25c., 2 oz. 40c., ¼ lb. 70c., lb. $2.50.

Luxembourg or Hard Heading. We think this is not grown as largely as it should be as but few varieties, if any, equal it for late spring keeping, differing from all others in coming out as green as when first buried it is especially attractive. This also should be planted earlier and manured more liberally than our native sorts. Pkt. 5c., ½ oz. 15c., oz. 25c., 2 oz. 40c., ¼ lb. 70c., lb. $2.50.

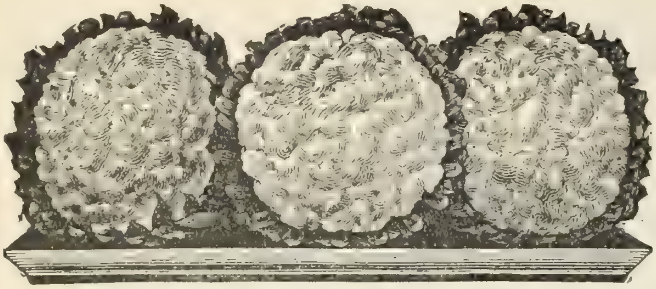
Mammoth Rock Red. Now the standard red cabbage, a great improvement on the small Red Dutch. Pkt. 5c., ½ oz. 15c., oz. 25c., 2 oz. 40c., ¼ lb. 70c., lb. $2.50.

Othello. A new red variety from Germany; claimed by the originator to be much larger than any red cabbage hitherto known. *See novelty pages for further description and price.*



Fottler's Brunswick.

❧❧❧ Other firms may offer as good Cabbage Seed as we. None can offer better. There *is* no better. ❧❧❧



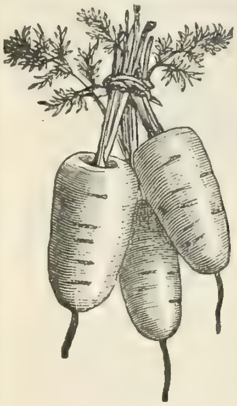
CAULIFLOWER

Early Snowball. The earliest variety and the surest to head. It is probably more largely grown than all other varieties combined, not only for early use but late as well, and has to a great extent displaced all of the once popular late sorts. Owing to its compact habit and few narrow and upright leaves it is the most desirable for forcing, and, for the same reason, can be set much closer in the field than others. Were there no other variety in existence we should all be fully as well off, and probably better. It would be difficult to imagine a better one, unless one could be originated that would head under the unfavorable conditions that sometimes prevail when no variety succeeds. We offer a strain of seed, which, in spite of the claims put forth by some that they have the only pure and reliable seed, we yet claim to be *true and reliable;* a claim which we could easily substantiate, and in a convincing manner to any who are open to conviction, *by the results obtained by those who have used it.* While good seeds cannot, as a rule, be sold at extremely low prices it is, nevertheless, a fact that an exorbitant price does not necessarily make any article good or better. Neither our claims nor those of others are of value unless they can be proven to be true,—results only can prove them. These our customers have found entirely satisfactory and equal in all respects to those obtained from seed claimed to be *the only reliable* and for which they formerly paid nearly twice what ours cost them. Pkt. 20c., ¼ oz. 65c., ½ oz. $1.25, oz. $2.25.

Extra Early Paris. Heads large, white, compact and solid, of excellent flavor; a favorite with market gardeners. Pkt. 10c., ¼ oz. 40c., oz, 75c.

Half Early Paris. Not as early as the preceding variety. Heads large and compact, of good quality. Pkt. 10c., ½ oz. 35c., oz. 60c.

CARROT



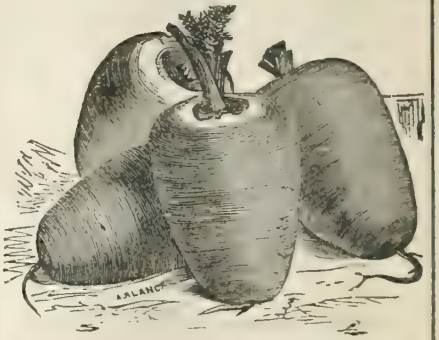
Early Horn.

Early Scarlet Horn. A popular early variety, grown only for table use. The roots are about three inches long and one-half inch in diameter at top, tapering slightly and terminating abruptly like the larger stump-rooted varieties. They make an attractive bunch, are of excellent quality and have small tops. Pkt. 5c.. oz. 10c., 2 oz. 15c., ¼ lb., 25c., lb. 90c.

Chantenay. This is an excellent variety for bunching. The roots are five inches long, three inches in diameter at the top, tapering gradually, but uniformly stump-rooted. The flesh is tender and crisp, color deep orange. The tops are of medium size, and necks small. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 25c., lb. 90c.

Oxheart, or Guerande. Roots very thick, often over five inches in diameter at shoulder, tapering to not less than two inches at the stump-root, and about five or six inches in height. The flesh is very fine-grained, free from core, tender and sweet. Color, bright orange. An excellent variety for either table use or for stock, and especially suited for hard, stiff soil, where longer growing varieties seldom thrive. Pkt. 5c., oz. 10c.. 2 oz. 15c., ¼ lb. 25c., lb. 85c.

Danvers. This for a long time has been, and is yet, the most popular variety. It is used for bunching for market early in the season, and later for packing in boxes or crates. It is also extensively grown for stock. While the yield per acre would probably not be as large as from the Rubicon or Long Orange, it, like the first, succeeds better on shallow soils and on stiff, hard ones, than the Long Orange; is much easier harvested than the latter, and of much better form and more attractive in appearance than the former. This latter feature, of course, makes it more desirable for market, although of no more value for feeding, and its popularity for feeding is perhaps largely due to a want of acquaintance with the Rubicon. The roots are about two inches in diameter at the shoulder, and five to six inches long. The flesh is fine-grained, tender and sweet. The tops are of medium size and the neck small. Our strain is one which we have sold for a long time; has the rich, dark color so much desired by the trade, and runs very uniform and true to name. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 25c., lb. 85c.



Ox Heart, or Guerande.

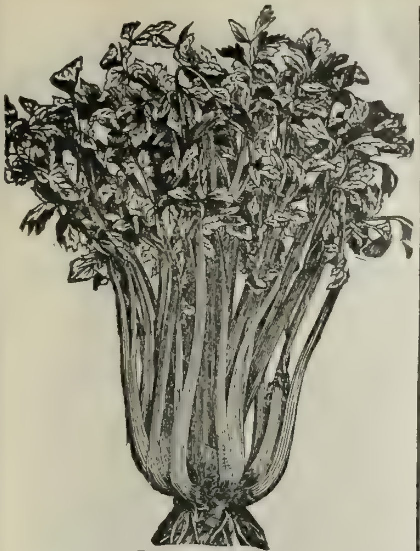
Rubicon. This new variety is similar in form to the Ox Heart, but much thicker and longer. It is also earlier, larger and, therefore, heavier than the Danvers, and, while we are not disposed to in any way disparage the excellence of the Danvers, we consider the Rubicon the superior variety for growing for stock, because of its greater weight the yield per acre would be larger, and as the roots, like the Danvers, are short it is as equally desirable for shallow, or stiff, hard, soils. It has fewer and finer leaves than the Danvers; has no neck, growing hollow-crowned, and is very uniform in growth. It is of good color and quality, but will probably never be a popular market variety, lacking attractive form. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 25c., lb. 75c.

Long Orange. An old, well-known and popular variety, and on soils adapted for it—that is deep, mellow ones—the heaviest cropper of all. It is largely grown for stock, but to some extent for market. The roots are very long, smooth and handsome, holding their thickness well down, tapering gradually to a point. The main improvement in it is a slight shortening of the root, with perhaps a deeper color. Our strain is of the desired color and true to name, is one which we have sold for years, and we have yet to find one which in anywise surpasses it. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 25c., lb. 85c.

Large White Belgian. Grown only for stock feeding, The root is pure white and grows one-third above the ground, the color of that part being green. Tops small; roots, on rich soil, large; flesh rather coarse. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 20c., lb. 50c.

The Wilson, or Extra Large Danvers--Pointed Root.

We have, for the past two years, supplied a few market gardeners with this strain of carrot, and as it has proven satisfactory to them we place it in our list. It differs from our regular strain of Danvers in two respects—that of size and in having a pointed root. It has the same fine dark color and is as finely bred. It is slightly thicker at the shoulder, tapering gradually to the extreme length of the root and averages an inch or more longer than our strain of Danvers. When our attention was first called to this type we were at the farm of the grower who, as he dug some roots said, "I never filled an order for Pointed-Root Danvers Carrot with seed of this strain but that I always received the next season an order for more like it from those to whom I had sent it." So far our experience with this strain has been very satisfactory, and we offer it believing it to be a type for which there has for sometime been a need by market gardeners—one in general similar to the Danvers type but intermediate in size between that and the long Orange. We believe it to be certainly worthy a trial by all market gardeners. Stock limited. Pkt. 5c., oz. 10c., ¼ lb. 30c., lb. $1.00.

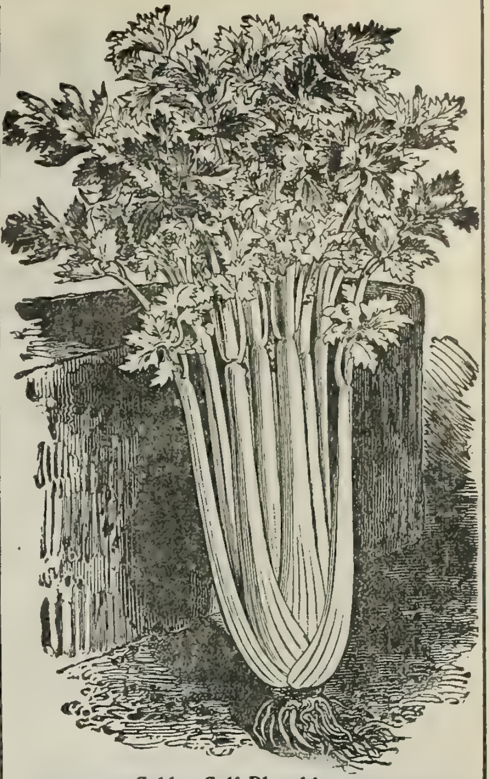

Boston Market.

CELERY

White Plume. The earliest and most easily blanched of all varieties; requires little banking-up to make it fit for market, belonging to the self-blanching class; but, in our opinion, it, like all celeries, is of much better flavor when blanched with earth. A desirable variety for early fall use, but does not keep well; very showy and beautiful, but not more so than the *Golden Self-Blanching*, and not equal to that in several other respects. Pkt. 5c., ½ oz. 12c., oz. 20c., 2 oz. 35c., ¼ lb. 60c.

Pink Plume. Nearly identical with the *White Plume*, except the tinge of red on the leaf stalks, which fades to faint pink when blanched. Like the White Plume it is easily blanched and is of better quality. Pkt. 5c., ½ oz. 12c., oz. 20c., 2 oz. 35c., ¼ lb. 60c.

Golden Self-Blanching. The most popular variety in cultivation. It is nearly as early as the *White Plume*, is generally considered to be of better quality and flavor, and has to a considerable extent displaced it. It is of dwarf, compact habit, and, when grown in rich, moist soil and under favorable conditions, produces more large, thick stalks than other varieties, in such cases requiring but two plants to make a bunch, whereas it usually requires three or more of other varieties. It is self-blanching to a remarkable degree. When young the plant is of a yellowish-green, blanching to a deep, golden-yellow, and the inner stalks to nearly white. It is, when ready for market or the table, a thing of beauty as well as utility, and a most decided ornament to any table. We offer a proven strain of seed. Pkt. 10c., ½ oz. 20c., oz. 35c., 2 oz. 65c., ¼ lb. $1.20.


Golden Self-Blanching.

Rose Ribbed Paris. This variety in general character resembles the *Golden Self-Blanching*, differing, however, in a few features. It is even more compact in growth, and the stalks are a little larger. The color is a beautiful golden-yellow, slightly deeper than the Golden Self-Blanching, especially the upper portions of the inner stalk; but that which makes it the most distinct and more beautiful is the tint of red on the stalks. At the base, this is more nearly a pink, but deepens into a carmine line on the ribs. The outer leaves are green, shading into deep yellow at the center. It is practically stringless, is crisp, tender and fine flavored. It is nearly as early as the preceding and as easily blanched. Its attractive appearance, large size and superior quality entitles it to first place in the list of self-blanching varieties and warrants a more general cultivation. Pkt. 10c., ½ oz. 20c., oz. 35c., 2 oz. 60c., ¼ lb. $1.00.

Boston Market. An old standard variety, for many years grown more extensively for Boston market than any other. It is noted for its tenderness and flavor. It is peculiar in its growth, forming a cluster of heads instead of a single large one. Pkt. 5c., ½ oz. 12c., oz. 20c., 2 oz. 35c., ¼ lb. 60c.

Boston Market. Selected stock, Arlington grown. Pkt 10c., ½ oz. 25c., oz. 40c., 2 oz. 75c., ¼ lb. $1.25.

Giant Pascal. This is a green leaved variety, which was developed from the Golden Self-Blanching. It is much larger, a better keeper and of superior flavor. It grows about two feet high, has very broad and thick stalks, which are stringless. It has a peculiarly sweet and nutty flavor, entirely free from any bitter taste. It blanches quickly after banking-up. Pkt. 5c., ½ oz. 12., oz. 20c., 2 oz. 35c., ¼ lb. 60c.

Celeriac, or Turnip-rooted Celery. The roots only of this are used, either boiled or sliced for salads, or for flavoring soups.

Erfurt Giant. Pkt. 5c., ½ oz. 10c., oz. 15c., 2 oz. 25c., ¼ lb. 40c.

CRESS, OR PEPPER GRASS.

Curled. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 20c.

WINTER QUEEN

The Best Celery For Winter Use.

This comparatively new variety is rapidly becoming popular with those who grow celery for winter use. While no variety is, or ever has been as popular with market gardeners as the Golden Self-Blanching, it is known and generally admitted by them, that it is not equal in quality, especially in flavor, to some other varieties notably the Giant Pascal. The former is grown by them mainly, because of its easy culture, and also, because of its rapid development and beautiful appearance. The Giant Pascal has never been very popular with them, because of the great care necessary in growing and handling it. In the Winter Queen we have a variety, which, while like the Pascal, is a vigorous grower, is only of medium height and does not therefore require as much labor in banking. It also is of more compact form, which with its medium length makes it much better for bunching and much less liable to be broken in handling. Each plant produces a large number of stalks which are broad, thick and heavily ribbed. The heart is of a rich golden yellow. It is an excellent keeper and when well blanched the stalks are firm and crisp, entirely free from strings and of the finest flavor. It is especially desirable for the home garden and for gardeners having a retail trade among those who appreciate and demand a choice article. Pkt. 10c., ½ oz. 20c., oz. 30., 2 oz. 50c., ¼ lb. 85c.

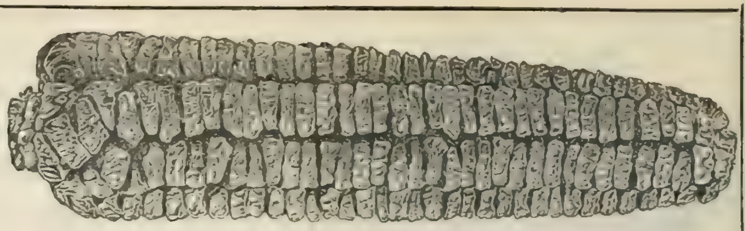
OUR DOLLAR COLLECTION OF VEGETABLE SEEDS

Sent Postpaid

This collection offered in our novelty list is well worth the attention of all, especially of those who plant the ordinary sized garden, and affords an opportunity to secure at a great reduction in catalogue rates, sufficient seed to plant such a garden. It contains many of our novelties including a packet of the Winter Queen Celery mentioned above, and the best of the standard varieties. All are our Regular Sized Packets with the exception of the Peas, Beans and Corn. Of these, the Peas, (three of our leading novelties,) are One-Half Pint packages, while the Beans and Corn are extra large packets. In all Thirty-Three Varieties sent postpaid if desired, but if sent by express, additional (Flower) seeds will be included. The selection of varieties could not, we think, be better. The seeds, we are sure, are the best The price is beyond question — very low. *See index for novelty page giving list of varieties.*

Sweet Corn

TABLE VARIETIES



Early Red Cory.

N. B.—The prices here quoted apply to corn to be sent by express; if small quantities are desired by mail add for postage as follows: To 1-2 pt. 3c., pt. 5c., qt. 10c.

First of All. One of, if not the earliest of all varieties. A selection from the Red Cory, identical in appearance and having the same general characteristics, varying, however, slightly in size of ear, which is a very little smaller, and sometimes having ten or twelve rows. We note a tendency of all seed-growers to select too large ears for seed-stock of this and other extra-early varieties, thereby getting stock which will produce green ears of larger size, but at the *sacrifice of earliness.* We have endeavored in this strain to maintain its original earliness rather than to increase the size of ear. ½ pt. 10c, pt. 15c., qt. 25c., 2 qts. 40c., ½ pk. 65c., pk. $1.00, bush. $3.50.

Early Minnesota. An old well-known variety which, although it has to a considerable extent been displaced by the many new varieties, is yet a favorite with some on account of its good quality. Kernels broad, ears of medium size, eight-rowed. ½ pt. 10c., pt. 15c., qt. 25c., 2 qts. 40c., ½ pk. 65c., pk. $1.00, bush. $3.50.

Early Red Cory. The most popular early variety; cobs mostly red, kernels from deep pinkish cast to white, ears eight-rowed and of fair size; of medium quality and a good yielder. ½ pt. 10c., pt. 15c., qt. 25c., 2 qts. 40c., ½ pk. 65c., pk, $1.00, bush. $3.50.

Early White Cory. A selection from the Red Cory, having only white kernels and cobs. Ears are a little larger. It is nearly if not quite as early, and is considered by some of better quality. Eight-rowed. ½ pt. 10c., pt. 15c., qt. 25c., 2 qts. 40c., ½ pk. 65c., pk. $1.00, bush. $3.50.

Mammoth White Cory. This, while the stalks are no larger than the White Cory, has larger ears and is claimed to be more productive. The ears are twelve-rowed, very symmetrical and handsome, with no space between the rows at the base. The kernels are large, broad, very white, and of good quality for an early variety. ½ pt. 10c., pt. 15c., qt. 25c., 2 qts. 40c., ½ pk. 65c., pk. $1.00, bush. $3.50.

KENDEL'S
EARLY GIANT
SWEET CORN

Kendel's Early Giant. This, the Champion and Metropolitan, are close rivals for first place in the class of second early sorts. Ears of this are from eight to ten inches long and usually have twelve or more rows. Kernels white, sweet and tender. ½ pt. 10c., pt. 15c., qt. 25c., 2 qts. 40c., ½ pk. 65c., pk. $1.00, bush. $3.50.

Early Champion. The ears are fit for use with or before the Crosby and are much larger. From ten to twelve-rowed. Kernels are deep, pure white, and of good quality. ½ pt. 10c., pt. 15c., qt. 25c., 2 qts. 40c., ½ pk. 65c., pk. $1.00, bush. $3.50.

Metropolitan. A new second early variety of distinct and vigorous growth about 5½ feet in height. The ears are large and remarkably well formed; 9 inches in length, ten to twelve-rowed, and are set low on the plant. The kernels are large and deep and are very sweet and tender. It is very productive, usually bearing two and sometimes three good ears to the stalk. ½ pt. 10c., pt. 15c., qt. 25c., 2 qts. 40c., ½ pk. 70c., pk. $1.25, bush. $4.00.

Early Crosby. *New England Strain.* The Crosby has for years been one of the most popular varieties. The strain we offer differs from the original in being of much larger growth and having much larger ears. These, with the exception of size, closely resemble those of the original, and are usually twelve-rowed, sometimes more. ½ pt. 10c., pt. 15c., qt. 25c., 2 qts. 40c., ½ pk. 65c., pk. $1.00, bush. $3.50.

Moore's Concord. An old well-known variety which was for many years the most popular of the second early class. Ears are large, twelve to sixteen-rowed, and fit for use soon after the Crosby. Of excellent quality. ½ pt. 10c., pt. 15c., qt. 25c., 2 qts. 40c., ½ pk. 65c., pk. $1.00, bush. $3.50.

Black Mexican. A variety when ripe with bluish-black kernels, but when in suitable condition for eating cooks white. But few varieties equal it in tenderness and sweetness. Ears of medium size. It is ready for use about with the Concord. ½ pt. 10c., pt. 15c., qt. 25c., 2 qts. 40c., ½ pk. 65c., pk. $1.00, bush. $3.50.

Potter's Excelsior or Squantum. Known by the first name for years in Boston market, where it was very popular. Used extensively in Rhode Island, where it was named Squantum. Ears of medium size. A standard of excellence in tenderness and sweetness. ½ pt. 10c., pt. 15c., qt. 25c., 2 qts. 40c., ½ pk. 65c., pk. $1.00, bush. $3.50.

Country Gentleman. A medium late variety, having irregular rows. Has a very small cob and deep kernel; is tender and sweet; very desirable for the home garden. ½ pt. 10c., pt. 15c., qt. 25c., 2 qts. 40c., ½ pk. 70c., pk. $1.25, bush. $4.00.

Marblehead Mammoth. The earliest, sweetest and largest of all the Mammoth sweet varieties. ½ pt. 10c., pt. 15c., qt. 25c., 2 qts. 40c., ½ pk. 65c., pk. $1.00, bush. $3.50.

Ferry's Early Evergreen. A selection from the well-known Stowell's Evergreen; identical in appearance, equal in quality, and is claimed by the introducers to be from one to two weeks earlier and to remain in condition for use longer. ½ pt. 10c., pt. 15c., qt. 25c., 2 qts. 40c., ½ pk. 65c., pk. $1.00, bush. $3.50.

Stowell's Evergreen. More largely used than any other late variety. Ears large, kernels very deep and shriveled. ½ p. 8c., pt. 12c., qt. 20c., 2 qts. 30c., ½ pk. 50c., pk. 90c., bush. $3.00.

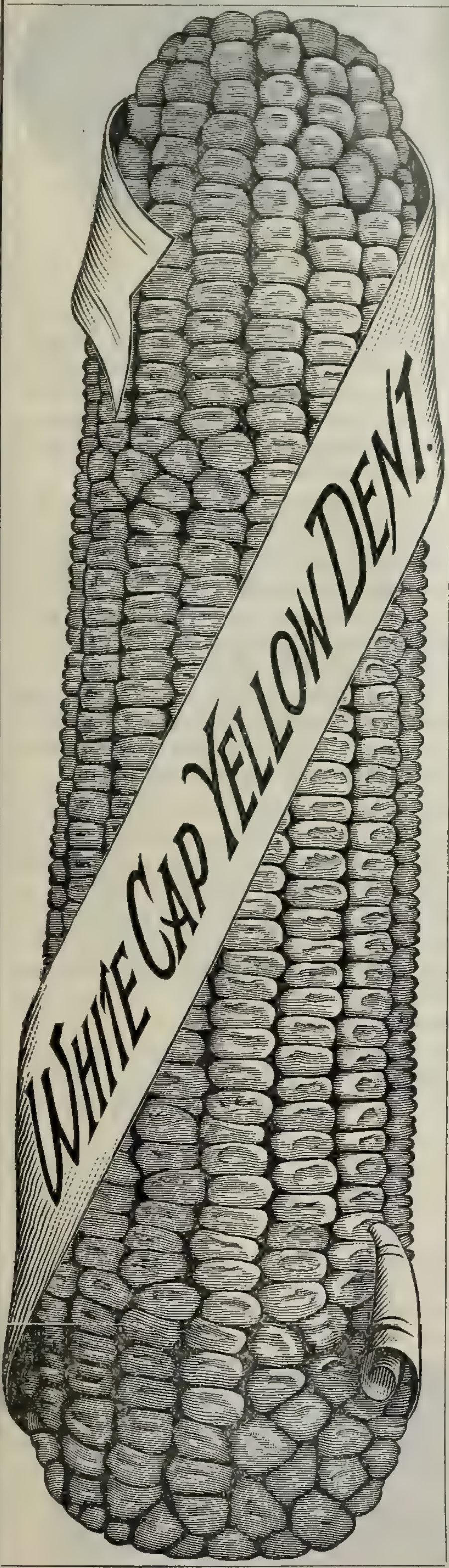
Sweet Fodder, Evergreen, and other large varieties. Pk. 40c., bush. $1.50.

☞ ***IF CORN IS DESIRED BY MAIL,*** **please see that your remittance includes postage. Rates at top of page.**

CORN Field, Fodder and Ensilage CORN IS KING

WE DOUBT if the magnitude of our agricultural interests in the United States is fully realized by many, especially of our corn crop. The following, taken from Green's Fruit Grower, may interest our readers, and shows what part of the enormous product corn occupies:

Wonderful Figures for Farmers.—With a few figures, Secretary Wilson brings out in a striking manner the magnitude of the argicultural interests of the country, says Post Express. In 1900, the fixed capital of that industry was $20,000,000,000, or four times that devoted to manufacturing. The 5,000,740 farms covered 841,000,000 acres, of which 415,000,000 acres were improved land. On these farms resided 40,000,000 of people, or more than half of the population. Of the 29,000,000 of people engaged in gainful occupations, 10,000,000 were engaged in agriculture. The agricultural products of 1899 amounted to nearly $5,000,000,000. Corn came first with a value of $828,000,000, hay and forage second with a value of $484,000,000; wheat third with a value of $370,000,000; cotton fourth with a value of $324,000,000, and oats fifth with a value of $270,000,000. The animals sold and slaughtered were worth $900,000,000. the products of the dairy $472,000,000, and poultry and eggs $281,000,000.


WHITE CAP YELLOW DENT.

Sweet Fodder. See preceding page.

Improved Canada. Known also as the Early Demond, Deerfield, Greenfield, or Connecticut Valley. This differs from the common Canada, or Canada Cap, in that the ear is about two inches longer. Like that, it is eight-rowed, and early enough to mature a crop in any section where corn can be profitably grown. Pk. 50c., bush. $1.75.

Intermediate Yellow Flint. Intermediate in height of stalk, and also in size of ears, which average 9 inches or more in length, has the largest kernel of any of this class. *See novelty pages for illustration, further description and price.*

Longfellow. This popular variety is said to be the result of careful selection in the Longfellow family for over fifty years. The ears are very long, sometimes reaching the length of fifteen inches. The cobs are small, with kernels of good size. It yields well, often having two good ears on a stalk. It is safe for planting in the latitude of Massachusetts, and is in this state extensively grown. Pk. 50c., bush. $1.75.

Sanford White. A white flint variety, used considerably in Rhode Island for grinding both for stock and culinary purposes, and very extensively used in Vermont for ensilage. Pk. 35c., bush. $1.25.

Sanford White. Extra Selected hand-picked seed. Pk. 40c., bush. $1.50.

Australian White Flint. An extra early and extremely hardy variety, thriving where the climate is too cold for ordinary corn and resisting drouth remarkably, will produce a crop when most varieties would fail. Pk. 50c., bush. $1,75.

King of the Earliest. This dent variety, a selection from the Pride of the North made by the originator of that variety is from ten days to two weeks earlier, which we think makes it safe for planting in this latitude for the purpose of maturing grain. The cob is small and although the ears are not long the kernels are very deep and the yield large. We may say here that more attention is being given in the East to the dent varieties for growing for grain than formerly and they are in a few localities grown almost to the exclusion of the flint type, the growers claiming a much larger yield from the dent. Pk. 40c., bush. $1.50.

Pride of the North. An early dent variety which has been grown in the East to some extent for grain and to a greater for ensilage. Although not of as rank growth as other varieties of this type it is on account of its early production of ears popular with some for the latter purpose, especially with those having cold clayey soil. Pk. 40c., bush. $1.50.

White Cap Yellow Dent. Nearly as early as the Pride of the North; with large ears. The grower and introducer of this wonderful corn says he will guarantee this corn to mature in ninety to ninety-five days from planting, and to grow a larger crop on poor soil than any other corn in the world. Stalks are eight to ten feet high, with abundance of foliage, making it an excellent sort for ensilage. Ears are from eight to ten inches long, well filled out and have from sixteen to eighteen rows. Kernels are of the true Dent type, sweet and nutritious, the outer end white and the balance yellow, which gives it the name "White Cap." Pk. 40c., bush. $1.50.

Early Mastodon Dent. A very early, strong growing corn, with large ears and grain. In the *American Agriculturist* corn contest, in 1889, it outyielded all others, making the wonderful record of 213 bushels of shelled corn to the acre. Used entensively for ensilage. Pk. 40c., bush. $1.50.

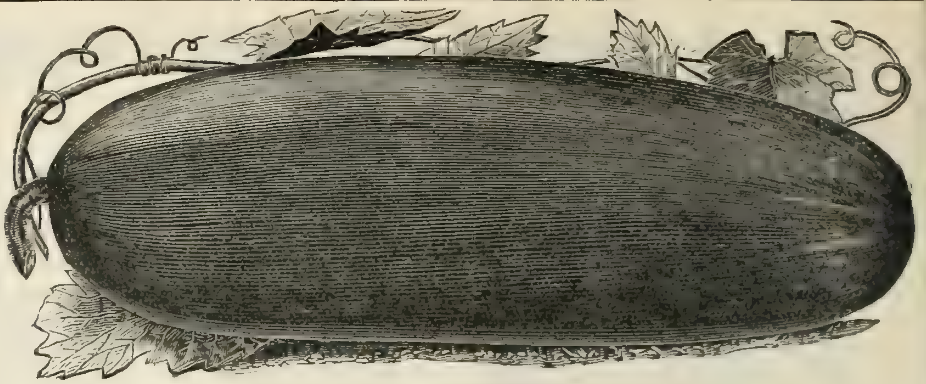
Leaming. An early Yellow Dent corn, which is growing more popular in New England every season for ensilage. Pk. 35c., bush. $1.25.

Red Cob Ensilage. (Bushnell's.) A pure white corn, with red cob. Grown extensively for ensilage. Pk. 30c., bush. $1.15.

Southern White. This is grown for us in the South, especially for seed. Is the true Southern White, having a round, flat kernel, whereas that offered by many seedsmen is the variety having a pointed kernel, which is not as leafy, nor is it generally grown by those engaged in growing corn for seed; is, therefore, not as well cured, and usually does not germinate nearly as well as the other varieties which have the usual care given to corn grown especially for seed. The strain we offer costs a little more, but is well worth the difference. Pk. 30c., bush. $1.15.

Eureka Ensilage. The largest, leafiest and most productive variety. Seed white, always of the highest grade and always sure to germinate. *See index for novelty pages, for description and price.*

Cucumber



EMERALD

Early Russian. The earliest variety and probably the hardiest. Fruit three to four inches long, one and one-half inch to two inches in diameter, oval, pointed at both ends and covered with fine, small spines. Vines of vigorous growth and productive. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 25c., lb. 90c.

Early Cluster. An early and very productive variety. Fruit small, thick at the end, dark green, but lighter at blossom end, borne in pairs or clusters and largely near the root. Used to some extent for pickles. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 25c., lb. 90c.

Early Frame or Short Green. Fruit short, straight, small at each end, bright green, lighter at blossom end, and although small is an attractive variety and of excellent quality. Used both for slicing and pickling. Vine vigorous and productive and produces fruit of suitable size for slicing soon after the Cluster. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 25c., lb. 90c.

Improved White Spine. The most popular variety for slicing. Fruit uniformly straight and handsome, dark green, with white lines at blossom end, and has but few spines. Flesh is tender and crisp, and the variety well deserves its popularity. Nearly all the varieties used for forcing in this country sprang from this. They doubtless are more desirable for that purpose, but for growing in the usual way we have found none that surpasses this. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 25c., lb. 90c.

Evergreen White Spine. An extra long and distinct strain of this popular type. It is beautiful in shape and color and of the finest quality. Fruit long, cylindrical, dark green, crisp and tender; vine productive and comes into bearing soon after the preceding variety. A favorite with some for forcing. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 25c., lb. 90c.

Emerald. The originators describe this as follows: "*It is strictly an evergreen,* retaining its color until quite ripe, making it an attractive variety. The fruit sets early, and its vigorous vines abound in long, straight, handsome fruits of the most desirable qualities. As a slicer the flesh is peculiarly crisp and tender, and the flavor most pleasing. The young fruit being deep green, straight and slender, makes an excellent pickle, and when ripe none excels it for making sweet pickles. For those who grow under glass, or for long-distance shipping, it will prove a boon on account of holding its deep green color so long, and it is not excelled for beauty in color and form, even by the best English Frame varieties; almost spineless. As an all-purpose table or market variety it cannot be surpassed." Pkt. 5c., oz. 15c., 2 oz. 25c., ¼ lb. 40c., lb. $1.40.

Improved Long Green. This probably stands next to the White Spine in popular favor. Fruit from ten to twelve inches long, dark green, and very firm and crisp. It is used largely for slicing, but on account of its firmness and crispness is popular with some for pickling, and is especially desirable when mature for sweet pickles. Vine of strong, vigorous growth and productive. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 25c., lb. 90c.

Nichols Medium Green. Fruit thicker than the White Spine and full at both ends. Skin light green and very smooth. An attractive variety and of fine quality. Used by some for early forcing. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 25c., lb. 90c.

Cumberland. This new variety originated with a well-known firm of seed growers, who say of it: "We honestly believe this to be the best pickling cucumber ever produced. The variety is of the hardy, white spine type, is a rapid, strong and vigorous grower and very prolific in fruit. The pickles differ from all other hardy sorts in being thickly set with fine spines; the form is exceptionally straight and symmetrical, thus being as choice a variety for slicing as it is for pickling." Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 25c., lb. 90c.

Boston Pickling. Probably more widely known and more extensively grown for both private and commercial purposes than any other variety. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 25c., lb. 90c.

DANDELION.

American Improved. Thick leaved. Pkt. 10c., ½ oz. 25c., oz. 40c., 2 oz. 70c., ¼ lb. $1.25, lb. $4.50.

French, or Common. Pkt. 5c., ½ oz. 15c., oz. 25c., 2 oz. 40c., ¼ lb. 75c., lb. $2.50.

Arlington. Leaves finer than the American Improved; very popular in Boston market. Pkt. 10c., ½ oz. 25c., oz. 40c., 2 oz. 70c., ¼ lb. $1.25, lb. $4.50.

EGG PLANT.

New York Improved. The standard variety in all sections of the country. Pkt. 10c., ½ oz. 20c., oz. 35c., 2 oz. 60c., ¼ lb. $1.00.

ENDIVE.

Moss Curled.

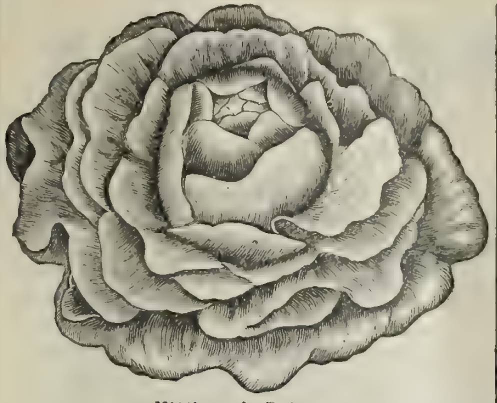
Large Green Curled. A large, coarse, strong-growing variety, which by tying up can be made to form finely blanched centers of good quality; outer leaves well cut, and bright, deep green. Each, Pkt. 5c., ½ oz. 10c., oz. 15c., 2 oz. 25c., ¼ lb. 40c.

KALE (Borecole.)

Green Curled Scotch. Of dwarf and compact growth, leaves curled and crimped, the whole plant resembling a bunch of moss. The best variety for general use. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 25c.

KOHL RABI.

Early White Vienna.
Early Purple Vienna.
Pkt. 5c., ½ oz. 10c., oz. 15c., 2 oz. 30c., ¼ lb. 50c.


Hittinger's Belmont

Lettuce

White Seeded Tennis Ball, or Boston Market. This has been more largely used in this section for forcing than any other. It has, however, in recent years been, to a considerable extent, displaced by the Belmont Forcing.

Hittinger's Belmont Forcing. Like the preceding this is a plain leaved variety, resembles that in general appearance but is much larger. It forms a compact head and is, like the Tennis Ball, almost certain to head, making it a desirable and profitable variety for forcing.

Black Seeded Tennis Ball. For first outdoor crop nothing surpasses this. It also is in some sections used for forcing. It forms firm solid heads of medium size. The leaves are plain, thick, rich dark green, the inner ones blanching to a rich creamy white and are then crisp and of fine flavor. A popular market variety.

Big Boston. Although much larger than either, this resembles the White Seeded Tennis Ball and Belmont, in general appearance and like them is of the type popular with market gardeners here and with most shippers, having but few outer leaves. It is very desirable for those gardeners requiring a large heading variety for forcing, and for growing in cold frames, and heads well very early in spring out doors. It does not head well in midsummer but is especially valuable for fall use, every plant being almost certain to head in the cool months of that season. The heads are large, but having only a few outer leaves, the plants may be set more closely than other large varieties. The leaves are broad, comparatively smooth, thin and very hard, the outer leaves are light green; a large proportion of the inner ones or head blanching to a beautiful creamy white. When well grown, of the finest quality, crisp and tender.

Early Curled Simpson. (White Seed.) An old variety with broad, often frilled, very curly light green leaves; sweet, tender, and of fine flavor.

Black Seeded Simpson. Much larger than the preceding, but not as much curled. Forms a large loose cluster of leaves rather than a head, leaves light yellowish green; a good variety and extensively grown.

Early Curled Silesia. An old standard sort, very popular for home gardens.

Boston Fine Curled. Beautifully curled, excellent for garnishing but of rather poor quality.

Deacon. One of the most popular summer varieties, forming heads a little above medium size which although not as large as some of this class are nevertheless very solid, of excellent quality and flavor and which remain fit for use a long time. The outer leaves are few and are of a deep green, the inner portion blanching to a beautiful cream yellow.

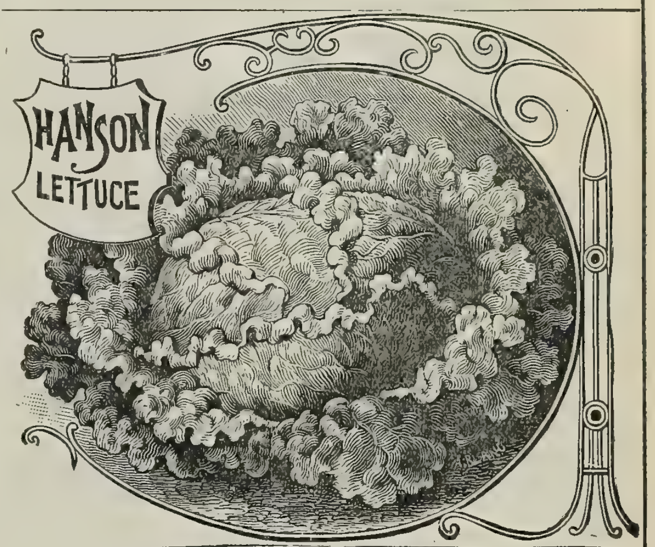
Prize Head. This variety has no superior where a thin, tender, crisp and sweet lettuce is wanted for the home garden or local market. Being so thin leaved and tender it, of course, wilts very quickly after cutting, and is not suitable for distant markets. Plant large, deep green, so washed with red as to appear more red than green, forming a head of a dense mass of leaves, rather than one like a cabbage, and very slow to run to seed.

Hanson. An old variety of great merit. It forms a large, flat, cabbage-like head very slow to run to seed. The outer leaves are bright green with veins of lighter shade, inner leaves white usually curved and twisted at the base. A very attractive variety of excellent quality and extensively grown for home use.

New York Market. One of the largest varieties in cultivation. The heads are very solid with but little tendency to run to seed. It blanches itself naturally, is crisp, tender and of excellent flavor, and is always free from bitterness. It is not a forcing variety but is one of the best for summer use.

Preceding varieties at uniform prices.

Pkt. 5c., ½ oz. 10c., oz. 15c., 2 oz. 25c., ¼ lb. 40c., lb. $1.25.

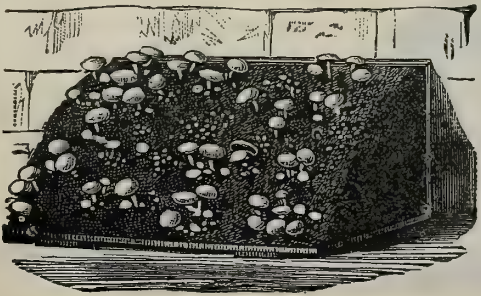


A New Lettuce — "*GIANT GLACIER.*"

WITHSTANDS HEAT AND DROUGHT TO AN UNUSUAL DEGREE.

THE INTRODUCERS of this variety say that it "produced fine solid heads when the soil was so dry and the weather so warm that the varieties usually depended upon for a mid-summer supply failed. The plants are of strong growth, twelves inches in diameter, with large light green outer leaves, finely serrated, and swollen like the leaves of the *Savoy Cabbage*. The heads are *extra large*, often six inches in diameter. The interior is white, crisp and tender, entirely free from the bitter pungency of many sorts when grown under the hot summer sun."

Prices. Pkt. 5c., ½ oz. 10c., oz. 20c., 2 oz. 30c., ¼ lb. 50c., lb. $1.75.



Mushroom

Spawn

Lb. 15c.
8 lbs. $1.00.

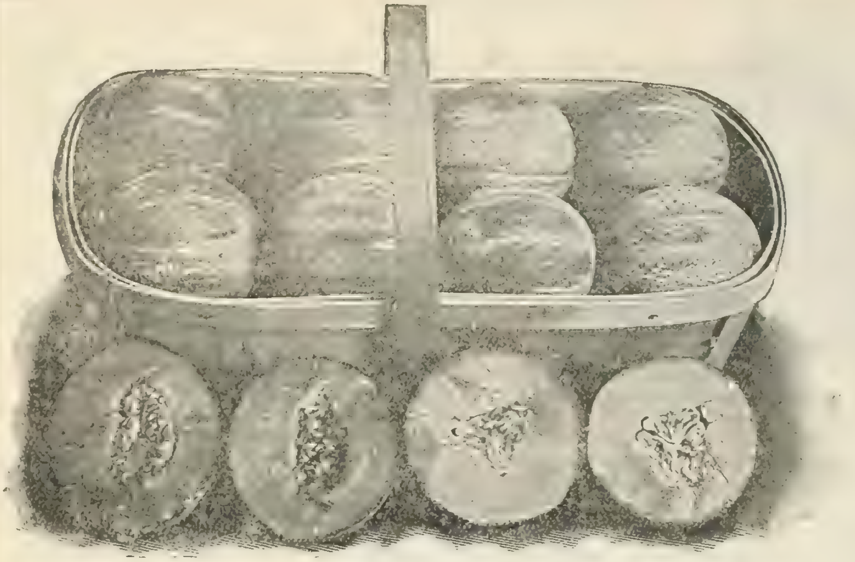
If desired by mail add 8 cents per pound.

LEEK.

American Broad Flag. The standard variety. Pkt. 5c., ½ oz. 10c., oz. 15c., 2 oz. 25c., ¼ lb. 40c., lb. $1.25.

MARTYNIA.

The seed pods when young and tender make excellent pickles, but should be gathered when less than half grown. Pkt. ¼ oz. 20c., oz. 35c., 2 oz. 60c., ¼ lb. $1.00.



Musk Melon

PAUL ROSE

THIS EXCELLENT MELON is a cross of the Osage with the Netted Gem, and combines the sweetness of the former, with the general appearance of the Gem. It originated with a large and very successful melon grower, who claims that he realized twice as much from an acre of this melon as from any other sort. In shape it is oval, about five inches in diameter, and has the fine netting of the Netted Gem or Rocky Ford. While in size, shape and general appearance the Paul Rose and the Netted Gem or Rocky Ford are much alike they differ in color of flesh that of the former being of a rich orange red similar to that of the Osage. The flesh is firm, very thick, fine flavored, and sweeter than that of the Osage. It is seldom that a melon combines the superb quality of this variety, with the necessary features for shipping. The Paul Rose, however, is especially adapted for shipping, remaining in good condition longer than most other varieties.

Price. Pkt. 5c., oz. 15c., 2 oz. 25c., ¼ lb. 35c., lb. $1.25.

EMERALD GEM

UNIFORMLY GOOD

◉ ◉ ◉

Notwithstanding the excellence of the many new varieties, this ranks with them in delicious and peculiar flavor, and we are somewhat in doubt if any other variety equals it in *certainty and uniformity* of excellence. The flesh is thicker than that of any other melon of equal size, and ripens clear to the thin rind. It is very sweet and melting and of an especially pleasing flavor; in color a beautiful salmon. The melons are small—about the same size as the Netted Gem. The skin, while ribbed, is generally smooth, sometimes slightly netted and in color deep green. Its general appearance is not attractive, which undoubtedly prevents it from being grown for market as extensively as it otherwise would, but in sections where its excellence and uniformity have been recognized it is largely used. The vine is of vigorous healthy growth, productive, and matures fruit extremely early.

Price. Pkt. 5c., oz 15c., 2 oz. 25c., ¼ lb. 35c., lb. $1.25.

COSMOPOLITAN

THE MOST BEAUTIFUL

◉ ◉ ◉

The introducers said of this at its introduction that it was truly cosmopolitan in character, combining the firm sweet flesh of the French Cantaloupe with the delicious flavor of the American Musk Melon. It is the most beautiful of the green fleshed varieties; of medium size, nearly round, slightly oval, without ribs. Color light green but becoming covered when ripe with dense, silver-grey netting. Flesh green, firm, sweet, and of fine flavor. Vine hardy and very productive. The very handsome appearance of this melon, combined with its excellent quality and great productiveness, should make it popular with all those engaged in growing melons for market; while its quality well entitles it to a place in the home garden.

Price. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 25c., lb. 90c.

Prolific Nutmeg. Fruit of medium size, round, slightly flattened, ribbed and heavily netted. Flesh pale-green, thick, and well flavored.

Surprise. A popular variety, although of but medium quality. Fruit slightly oval and of medium size; slightly ribbed, seldom netted. Skin cream yellow, flesh deep salmon, vine hardy and productive, and matures fruit early.

Extra Early Hackensack. Fruit of good size, round, flattened, heavily ribbed and netted. Flesh green, thick, and of fine flavor.

Osage, or Improved Miller's Cream. Although much larger the fruit resembles the Emerald Gem, having the same dark green skin with lighter bands between the ribs. Flesh is very thick and firm, of fine quality; color orange. Keeps well and is a favorite with shippers.

Improved Orange Christiana. A favorite in the Boston market. Known also as Black Japan. Fruit above medium size, round, generally smooth; dark green. Flesh yellow, very thick, and of finest flavor and quality.

Montreal Market. One of the largest of this type. Fruit round, slightly flattened, with broad heavy ribs and heavily netted. Flesh light green, very thick, and when melon is well grown of finest flavor and quality.

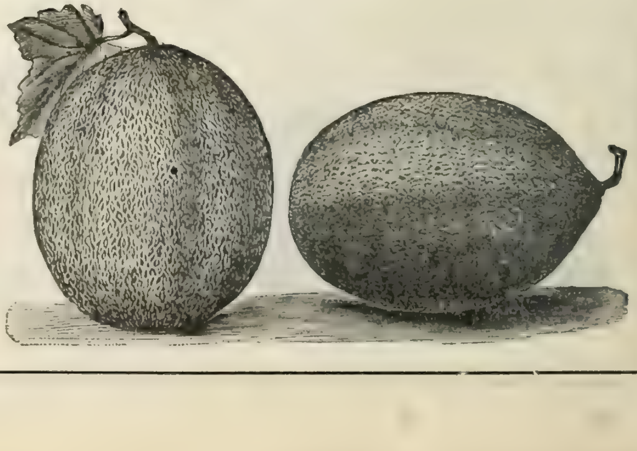
Bay View. One of the largest, most productive and best flavored melons grown. Shape oblong, flesh green.

The preceding seven varieties at uniform prices. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 25c., lb. 85c.

A Very Popular Variety — NETTED GEM, or ROCKY FORD

THIS EXCELLENT VARIETY was introduced as the Netted Gem in 1881 and has always been a popular melon. It has, however, attained greater popularity under the name Rocky Ford. It has been very extensively grown in Colorado, there having been shipped from there in season of 1900, 780 cars, representing the product of 2,500 acres, and doubtless the acreage has since been increased. It acquired its later name from the town Rocky Ford, which led in the production and shipping of this variety. It is claimed by many to be the finest small-fruited melon in cultivation. Fruits are of uniform size, nearly globular, sometimes slightly oval, always finely netted, and of a grayish golden yellow when ripe. The flesh is light green, ripens to the rind, melting, and of fine flavor. The vine is of strong, healthy growth, very productive, and fruits ripen early. It is undoubtedly one of the best for shipping, and its uniformly excellent quality makes it equally desirable for the home garden.

Price. Pkt. 5c., oz. 15c., 2 oz. 25c., ¼ lb. 35c., lb. $1.25.



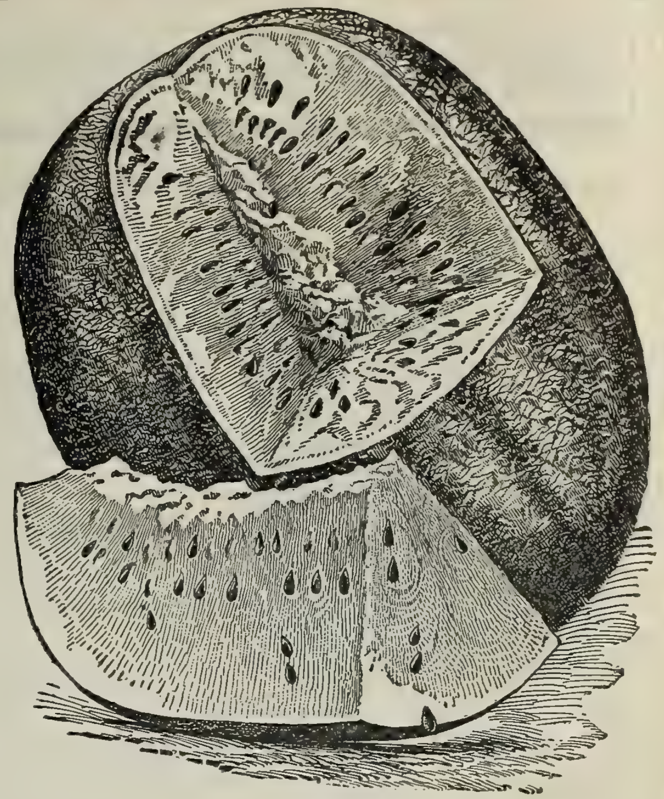
Water Melon

Sweetheart. *One of the best for shipping.* This melon introduced several years ago, has become very popular with shippers in the south. It not only excels as a shipping variety, but is of more than average good quality. Fruit is large, oval, and very heavy. It is uniformly mottled light and very light green, and has a very thin but firm rind. The flesh is bright red, firm and solid, but very tender, melting and sweet. The fruit retains its good quality for a long time after ripening. The vine is vigorous and productive and ripens fruit early. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 25c., lb. 75c.

Kleckley's Sweet, or Monte Cristo. *The Sweetest of All.* Since its introduction until now this has been known as the "sweetest of all" watermelons. The fruit is large, oblong, averaging eighteen to twenty inches in length by ten to twelve inches in diameter, with a dark green skin and having a very thin brittle rind. The beautiful bright scarlet flesh with its very large solid heart, the white seeds being placed close to the rind, is crisp, sugary and melting to a remarkable degree, and is entirely free from any stringiness. Although its thin brittle rind unfits it for shipping to distant markets, its uniformly superior quality guarantees its ready sale in any markets to which it can be sent in good condition, while for the home garden but few if any equal it. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 25c., lb. 90.

Cole's Early. A small but very early variety, of fine quality, and sure to mature in any latitude where melons can be grown. Rind thin, skin green with white stripes, flesh dark red. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 25c., lb. 75c.

Phinney's Early. A standard early variety; of medium size, oval; marbled with two shades of green; rind thin; flesh pink, sweet, tender and crisp. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 25c., lb. 75c.

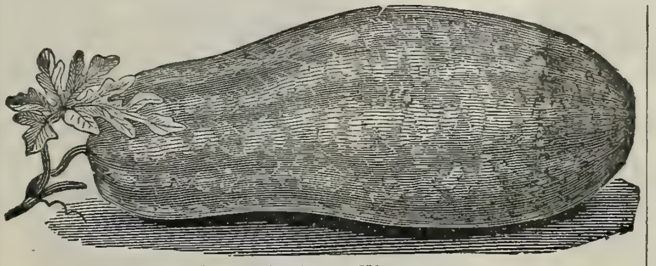

Sweetheart Watermelon.

FORDHOOK EARLY

The Earliest Large-Fruited Melon.

THIS NEW VARIETY ripens close to the small Cole's Early and before the Phinney's Early, and is considerably larger than the latter. In form rather short and blocky; skin dark green, sometimes having faint stripes of lighter green; flesh bright red, sweet and of fine quality. The rind is thin but skin is tough, making it an excellent variety for shipping.

Price. Pkt. 5c., oz. 15c., 2 oz. 25c., ¼ lb. 35c., lb. $1.25.


Mountain Sweet Watermelon.

Citron. For preserving only. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 25c., lb. 75c.

Peerless, or Ice Cream. Fruit oblong, of medium size; skin dark green, flesh scarlet, very sweet. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 25c., lb. 75c.

Mountain Sweet. An old and popular variety, especially in New England. Rind green and rather thick; flesh scarlet, solid, very sweet, and of excellent quality. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 25c., lb. 75c.

Kolb's Gem. Fruit round or slightly oval and very large. Skin marked with irregular stripes of dark and light green; flesh bright red and rather coarse, rind very tough and hard, making it especially desirable for shipping; and it is largely grown in the south for that purpose. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 25c., lb. 75c.

Cuban Queen. Fruit large, globular or oval; skin beautifully striped light and dark green; rind thin but stands shipping well; flesh bright red, very solid, crisp and sweet. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 25c., lb. 75c.

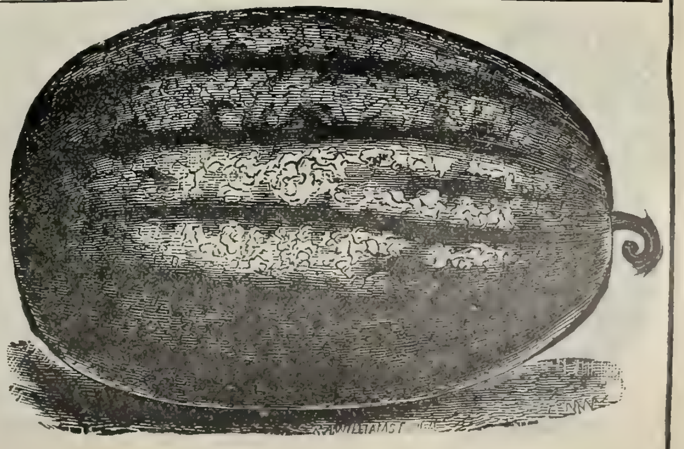
Eight Varieties Mixed. Pkt. 5c.

A NEW WATERMELON — Halbert Honey

THE BEST FOR THE HOME GARDEN.

The new Halbert Honey is a rival of the Kleckley Sweet in sweetness, is fully equal in flavor, more regular in form and *much more productive.* The melons average eighteen to twenty inches in length by six to eight inches in diameter and are blunt at both stem and blossom end. In color they are deep glossy green. The flesh is a beautiful crimson-lake and extends to within less than half an inch of the rind; is entirely free from any fibrous substance, and is rich, sugary and melting, with a delicious flavor peculiar to itself. The vine is hardy and wonderfully productive and matures its fruit sufficiently early to permit it being grown throughout the Northern States, where frost does not appear before September 1st. The thin rind, like the flesh, is so tender that it will not stand shipping to any great distance, but for the nearby market and the home garden no other variety in all respects equals it.

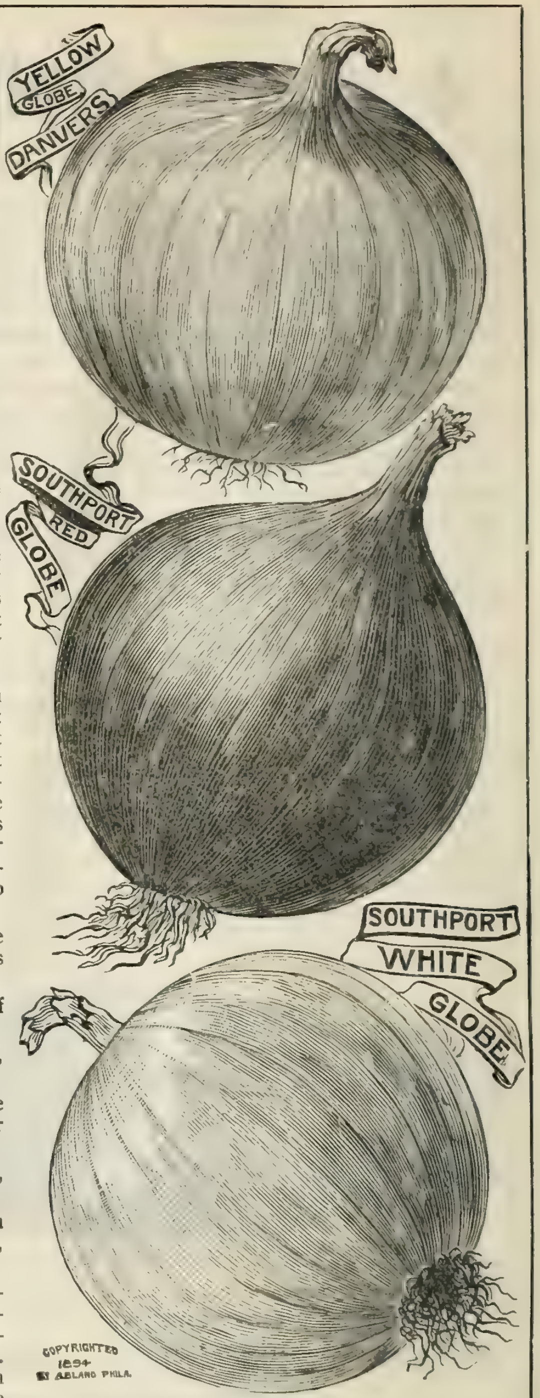
Price. Pkt. 10c., oz. 20c., 2 oz. 30c., ¼ lb. 50c., lb. $1.65.


Cuban Queen Watermelon.

ONION

—GLOBE-SHAPED VARIETIES.—

Eastern Grown Seed.



The Heaviest - The Best Keepers - The Handsomest
The Quickest to Sell - The Money Makers.

TO NO other branch of our business do we give more attention than to the growing of onion seed. We have for several years paid especial attention to the varieties which are globe-shaped, personally selecting our stock in the field, and have to offer THE BEST THAT GROWS.

It must be obvious to all that a globe-shaped onion occupies no more room when growing than a flat one of equal diameter, and equally obvious that the first would be the heavier when mature; therefore the yield per acre must be much larger. The globe-shaped onions all have thicker outer skins than the flat, bear handling better, and consequently are much better keepers. They are also of more attractive form, selling easier and usually at higher prices. **The globe-shaped varieties are the ones to grow for profit.** To grow them the right seed is necessary.

That there is a vast difference between the results obtained from the use of eastern and western grown stocks all careful and candid observers will admit, and, while we are not prepared to say here that seed which will produce crops of uniformly globe-shaped onions cannot be grown in California, we can truthfully say, after years of careful observation, that we have yet to see a crop grown from western seed that could at all compare in this respect, or for that matter in any other, with the many grown from our Selected Eastern Grown Seed.

Yellow Globe Danvers. Eastern Grown. This variety is more largely grown than any other, and in Massachusetts the demand for seed of it by far exceeds that for all other varieties combined. The strain which we offer is much different from the old type, that being a flat bottomed onion while the upper half somewhat resembled this. This more nearly resembles the Southport type, is of true spherical form, only differing from the Southport in that it is a very little flattened at the top and bottom. We have for several years been selecting in the field such bulbs as were strictly true to the type and have developed a very superior strain. Our onions when selected for seed and spread upon the storage floors excite the admiration of all who see them. As we have said above, this type is the one to grow for profit.

Southport Yellow Globe. Very similar to our Yellow Globe Danvers, a little more elongated and possibly a little later in maturing but not differing nearly as much in that respect as commonly supposed.

Southport Red Globe. Identical in form with the preceding. The handsomest of all onions and is being grown to greater extent at present than ever before.

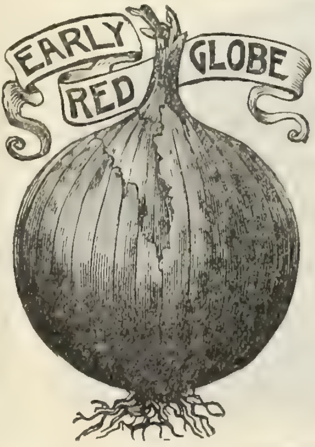
The preceding varieties each, pkt. 5c., ½ oz. 12c., oz. 20c., 2 oz. 35c., ¼ lb. 50c., lb. $1.50.

Southport White Globe. Of true globe shape. Not largely grown but brings the highest prices in market of any variety. A much better keeper than any other white variety. Pkt. 5c., ½ oz. 15c., oz. 25c., 2 oz. 40c., ¼ lb. 75c., lb. $2.60.

Extra Early Red Flat. The earliest red variety. Pkt. 5c., ½ oz. 10c., oz., 15c., 2 oz. 25c., ¼ lb. 35c., lb. $1.15.

Early Yellow Cracker. The earliest yellow variety; very flat, mild; needs care in handling to insure keeping; very desirable for home markets. Pkt. 5c., ½ oz. 12c., oz. 20c., 2 oz. 35c., ¼ lb. 50c., lb. $1.50.

Early Red Globe Danvers. While not all of a crop of this has as yet been as perfect in shape as the illustration, a proportion of them have and the balance somewhat approaching it. It might perhaps be better described as a very thick onion rather than globe-shaped. It is nearly as early as the Early Red Flat, has a firm skin, is of fair size and good color. It is remarkably free from the tendency to produce stiff necks or scallions. It is growing in favor, to which its earliness and other good qualities well entitle it. Pkt. 5c., ½ oz. 12c., oz. 20c., 2 oz. 35c., ¼ lb. 50c., lb. $1.50.



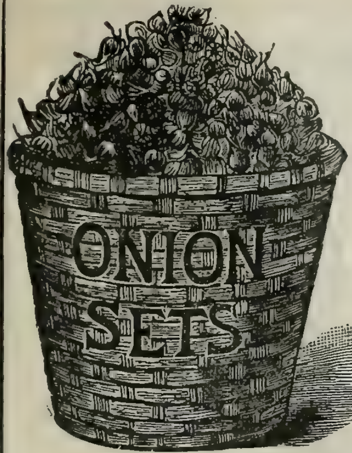
White Portugal or Silver Skin. A white, thin skinned variety, of especially mild flavor and very tender. It grows to a good size and is early. Desirable for the market gardener for early use and for the home garden because of its tenderness and mild flavor. Pkt. 5c., ½ oz. 15c., oz. 25c., 2 oz. 40c., ¼ lb. 75c., lb. $2.50.

Yellow Globe Danvers. Best Western Stock. Offered by many leading seedsmen as their best. Pkt. 5c., ½ oz. 10c., oz. 15c., 2 oz., 25c., ¼ lb. 35c., lb. $1.00.

Red Wethersfield. A variety which has been extensively grown but which in most of the onion-growing districts of New England is now but little used, and while the demand for red onions seems to be increasing, that for seed is largely for the globe-shaped varieties, planters having learned the superiority of this class. We offer, however, a choice strain of seed grown from selected bulbs. Pkt. 5c., ½ oz. 10c., oz. 15c., 2 oz. 25c., ¼ lb. 35c., lb. $1.00.

Prize Taker. One of the largest varieties in cultivation. Skin thin, light straw color, flesh pure white and is extremely mild and sweet flavored. It is quite sure to bottom, but is late and is not a good keeper. It is largely used for sowing early in the hotbed for transplanting, and for that purpose is an excellent sort. Pkt. 5c., ½ oz. 10c., oz. 20c., 2 oz., 35c., ¼ lb. 50c., lb. $1.50.

The Economy Which Leads to Buying the Cheapest Onion Seed is Really Great Extravagance. ✤ The Best is the Cheapest.



Onion Sets.

Prices Variable.

If by mail add 10 cents per quart to price.

White. Qt. 20c., ½ pk. 65c., pk. $1.25.

Yellow. Qt. 20c., ½ pk. 65c., pk. $1.25.

Top or Button. These are the best for the home garden, especially for growing to full sized matured onions. The sets are obtained by planting large or matured onions which bear the sets at the top of the seed stalk. We have been unable to secure these for many years and consider ourselves fortunate in being able now to offer them.

Qt. 25c., ½ pk. 75c., pk. $1.35.

Potato Onions. Qt. 15c., ½ pk. 50c., pk. 90c.

Shallots. Qt. 20c., ½ pk. 65c., pk. $1.25.

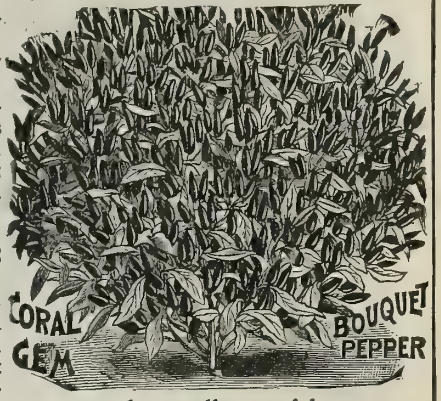
PEPPERS.

Large Bell. Large, bell-shaped, thick fleshed, and less pungent than some other sorts. Good for filling.

Sweet Mountain. Fruit very large, often eight inches long by two in diameter. Flesh thick, sweet and mild.

Ruby King. The handsomest of the large sorts, mild and sweet.

Squash or Tomato Shaped. Fruit flat or tomato shaped, and somewhat ribbed, flesh thick and slightly more pungent than other large sorts, early and sure to mature.



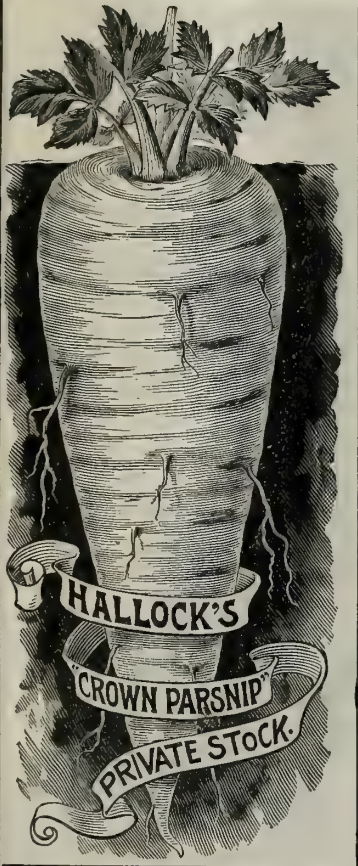
Cayenne. Best for seasoning pickles; very hot.

Red Chili. Used for making pepper sauce. Pods bright red, slender, about two inches long and very pungent. Requires a long season; seed should be sown early in hot bed.

Each of above, pkt. 5c., ½ oz. 15c., oz. 25c., 2 oz. 40c., ¼ lb. 75c.

Coral Gem Bouquet. The best of the small sorts. Its small red pods are so thickly set as to give it the appearance of a bouquet. Very ornamental, as well as useful.

Pkt. 10c., ½ oz. 20c., oz. 40c.



PARSNIP.

Arlington Long Smooth. A selected strain; roots extra long; desirable for deep mellow soil.

Hollow Crown. Roots shorter than the preceding; succeeds where that would not, that is on shallower soils.

Of both varieties we have to offer choice strains of seed which we have for many years sold and which cannot be surpassed.

Each, pkt. 5c., oz. 10c., 2 ozs. 15c., ¼ lb. 20c., lb. 50c.

PARSLEY.

Champion Moss Curled. | **Extra Double Curled.**

Each, pkt. 5c., oz. 10c., 2 ozs. 15c., ¼ lb. 25c., lb. 75c.

PUMPKIN.

Small Sugar. The popular variety in New England for pies; fine grained and sweet. Pkt. 5c., oz. 10c., 2 ozs. 15c., ¼ lb. 25c., lb. 75c.

Large Cheese or **Kentucky Field.** Shape flat, skin of a rich cream color when ripe, flesh tender and of fine quality. Pkt. 5c., oz. 10c., 2 ozs. 15c., ¼ lb. 25c., lb. 75c.

Mammoth Tours. One of the largest in cultivation; good for feeding stock. Pkt. 5c., oz. 10c., 2 ozs. 15c., ¼ lb. 25c., lb. 75c.

Connecticut Field. The standard variety for feeding stock. Pkt. 5c., ¼ lb. 15c., lb. 50c.

PEAS.

Extra Early Smooth Varieties.

Alaska or Laxton's Earliest of All, Known also under the names of **Clipper, Express, and Blue Eclipse.** A very popular variety with market gardeners especially in New England, due to its extreme earliness and uniformity of ripening. Nearly the whole crop can be gathered at one picking. Vines grow about 2½ feet in height, bearing abundantly pods which, although small, are always well filled. Peas are small, bluish green.

½ pt. 10c.; pt. 15c.; qt. 25c.; 2 qts. 40c.; ½ pk. 75c.; pk. $1 25.; bush. $4.50.

Ross Bros.' Best Extra Early. So nearly identical are all of the first early smooth white peas offered under a multitude of names, that in view of the great decrease in demand for such peas, we no longer consider it necessary to offer but one variety. In offering this stock under this name, we are confident that it is equal to any of this type offered elsewhere, regardless of what name others may choose to attach to what they offer. Others may have as good, none have better. We do not claim that it differs greatly in type, if at all, from others of this class, but do claim that by years of careful selection by one of the most reliable growers, there has been some improvement in size of peas and pod, and uniformity of ripening, on some stocks of Daniel O'Rourke, Philadelphia Extra Early, etc., and in these respects, as well as in productiveness, it equals the best known by other names.

½ pt. 10c.; pt. 15c.; qt. 25c.; 2 qts. 40 c.; ½ pk. 75c.; pk. $1.25; bush. $4.50.

Note that we offer Peas by the Definite Quantity ☞ HALF PINT. ═══ Not by the Indefinite one — PACKET.

PEAS

Dwarf Extra Early Varieties.

The first three of these ripen very closely to the hard early sorts and are much superior in quality.

American Wonder. The vine is very dwarf but of stout branching habit, about 10 inches high. A fairly productive sort, pods of medium size and closely filled with peas of good size which are of the best flavor. A desirable variety for the private garden but not equal to the Nott's Excelsior for the market garden. ½ pt. 10c., pt. 15c., qt. 30c., 2 qts. 55c., ½ pk. $1.00, pk. $1.75, bush. $6.50.

Nott's Excelsior. This is similar to the American Wonder but superior in nearly all respects. The vine grows about 14 inches high, is of vigorous habit, exceptionally uniform in growth and wonderfully productive. The pods are larger than those of the Wonder and well filled. The peas are of fine flavor. ½ pt. 10c., pt. 15c., qt. 30c., 2 qts. 55c., ½ pk. $1.00, pk. $1.90, bush. $7.00.

Premium Gem. A popular variety, growing about 15 inches high. Pods are a little larger than those of the Wonder, and though not generally so closely packed with peas are yet well filled. The peas are wrinkled, of good size and flavor. Considered by many to be superior to the Little Gem. ½ pt. 10c., pt. 15c., qt. 25c., 2 qts. 45c., ½ pk. 80c., pk. $1.50, bush. $5.50.

McLean's Little Gem. An old favorite and yet largely grown. Height about 18 inches. Pods are well filled. Peas of good size, green, wrinkled, and of excellent quality. A productive and desirable variety. A little later than the preceding varieties. ½ pt. 10c., pt. 15c., qt. 25c., 2 qts. 45c., ½ pk. 80c., pk. $1.50, bush. $5.50.

Second Early, Medium and Late Sorts.

McLean's Advancer. A green, wrinkled marrow of extra quality. The standard second early in Boston market, and grown extensively everywhere. Height, 2½ feet. ½ pt. 10c., pt. 15c., qt. 25c., 2 qts. 45c., ½ pk. 75c., pk. $1.35, bush. $5.00.

Hosford's Market Garden. A wrinkled variety; ripens closely to Advancer; of branching habit, very stocky. Peas medium size, of good quality. Height, 2 feet. ½ pt. 10c., pt. 15c., qt. 25c., 2 qts. 45c., ½ pk. 75c., pk. $1.35, bush. $5.00.

Bliss' Abundance. Similar in general appearance to the Hosford's Market Garden but taller. Pods from 3 to 3½ inches long. Peas of good size and excellent flavor. Very productive. ½ pt. 10c., pt. 15c., qt. 25c., 2 qts. 40c., ½ pk. 70c., pk. $1.25, bush. $4.50.

Heroine. A distinct and valuable variety. Foliage even and luxuriant, pods long, handsome and well filled with large peas of fine flavor. Remarkably true and fixed in its habit of growth. Height, 2½ feet. ½ pt. 10c., pt. 15c., qt. 25c., 2 qts. 45c., ½ pk. 75c., pk. $1.35, bush. $5.00.

Yorkshire Hero, or Dwarf Champion. An old wrinkled sort, peas large and of delicious flavor, vines of a robust branching habit. Notwithstanding the many excellent new varieties, this old favorite still continues to be in great demand. Height, 2½ feet. ½ pt. 10c., pt. 15c., qt. 25c., 2 qts. 40c., ½ pk. 70c., pk. $1.25, bush. $4.50.

Shropshire Hero. A strong, robust grower and very prolific. Pods are long and handsome; remarkably well filled with large peas. We know of no other variety which will shell out so many peas from a given quantity of pods. The peas are of delicious flavor. One of the best of its class and should be more generally used. Height, about 2½ feet. ½ pt. 10c., pt. 15c., qt. 25c., 2 qts. 40c., ½ pk. 70c., pk. $1.25, bush. $4.50.

Improved Stratagem. An improvement on the old Stratagem, the tendency to sport being almost entirely removed. Vines are stocky, of vigorous habit and luxuriant foliage, and very productive. Height about 2½ feet. Pods and peas are of the largest size; quality unsurpassed. ½ pt. 10c., pt. 15c., qt. 30c., 2 qts. 50c., ½ pk. 90c., pk. $1.65, bush. $6.00.

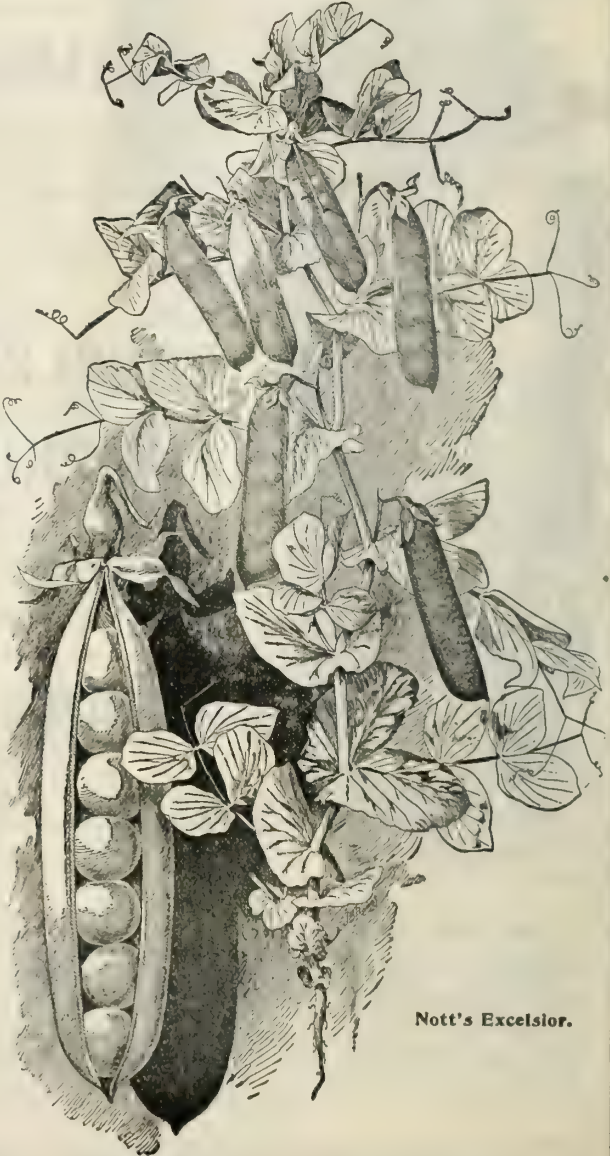
Everbearing. Vigorous and branching in habit of growth. Remains in bearing longer than most varieties. Pods medium in size. Peas are very large and of best quality. Height about 2½ feet. ½ pt. 10c., pt. 15c., qt. 25c., 2 qts. 40c., ½ pk. 70c., pk. $1.25, bush. $4.50.

Telephone. The most popular late variety with market gardeners. Vines large and vigorous, growing about 4 feet high. Foliage light colored and large. Pods large. Peas large and sweet. We offer a carefully selected stock. ½ pt. 10c., pt. 15c., qt. 30c., 2 qts. 50c., ½ pk. 90c., pk. $1.65, bush. $6.00.

Champion of England. The most popular late sort for the home garden. It is unsurpassed in richness and flavor by any of the newer varieties, if indeed equalled. Pods medium size. Peas of medium size and much shriveled. Vines fairly productive. Height, 4 to 5 feet. ½ pt. 10c., pt. 15c., qt., 25c., 2 qts. 40c., ½ pk., 70c., pk. $1.25, bush. $4.50.

Large Black-Eyed Marrowfat. A well-known variety, growing about five feet high. Pods large and well filled. Peas large, round and smooth, but much inferior in quality to the wrinkled sorts. ½ pt. 6c., pt. 10c., qt. 15c., 2 qts. 25c., ½ pk. 45c., pk. 75c., bush. $2.60.

White Marrow. Similar to the preceding. Prices the same.



Nott's Excelsior.

Peas, Beans and Corn we DO NOT Send Postpaid unless the required amount is remitted for Postage.

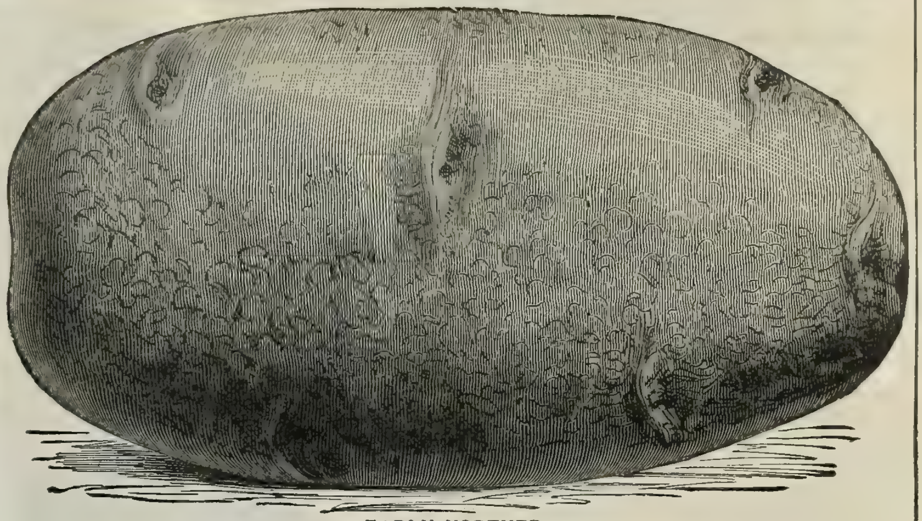
POTATOES

Choice Northern Grown Seed.

Progressive Farmers Change Seed Often
BECAUSE IT PAYS.

THE stocks which we offer of the following varieties were all grown in Aroostook County, Maine, by experienced and reliable growers, and especially for seed. They are of good size, healthy, and true to name, and we feel sure that customers will be pleased with their appearance.

The varieties offered are such as our experience and that of others has led us to think the most desirable. That a change of seed is profitable and that it should be grown as far north as possible, is a question almost beyond discussion, as it is almost universally admitted to be a fact. While we would lead none to infer that we think that there is no choice in several varieties which are in general somewhat similar, we believe that that which is often of nearly as great importance as the choice of a variety is simply a change of seed, we therefore suggest to those who may not send their orders until the season is well advanced (when we are liable to be sold out of some varieties) that they mention a second choice or even a third with which we might fill the order, if out of the first named sort. This often would save customers much annoyance, and enable them to get seed much sooner than would otherwise be possible. All varieties are put up in sacks, guaranted to contain 165 pounds (a barrel), plainly marked with name of variety.



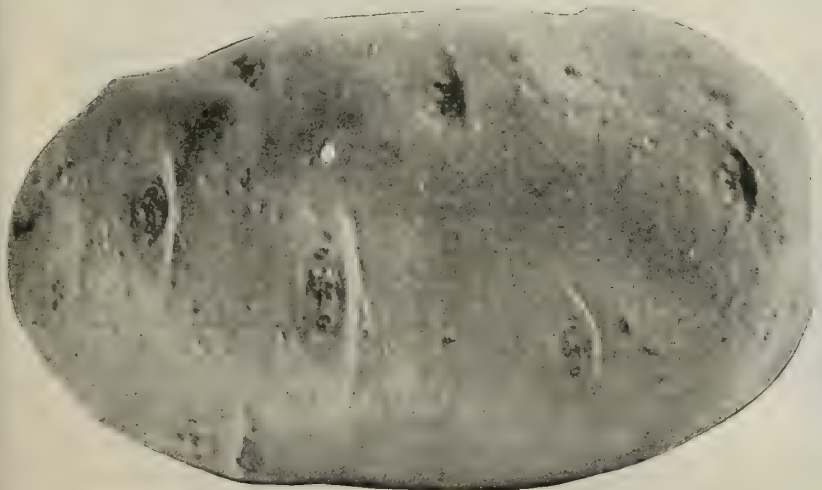
EARLY NORTHER.

⁂ EXTRA EARLY VARIETIES. ⁂

Early Bovee. An extra early variety, claimed by the introducers to have outyielded all other sorts. Closely resembles the Queen in shape and color; of good size, producing but few small tubers, and of best quality. All reports seem to bear out the introducers' claim of large yieldings when planted on strong soil. Pk. 50c., bush. $1.50, bbl. $3.75.

Early Fortune. Recommended as one of the best for early market, as it stands shipping well. A heavy cropper. In form and color it resembles the Rose, in quality surpasses it. The introducer says: "It is the earliest potato in the world, and I have tested everything. The quality, shape and color is of the best. It is going to lead everything." Pk. 50c., bush. $1.50, bbl. $3.75.

Early Six Weeks. An extra early variety, of good quality, cooking well as soon as it attains marketable size. In size medium to large, color light red or rose, form round oblong, resembling the Ohio, and having the specks peculiar to the Ohio type. Keeps well. A good yielder. Our grower says of it: "I consider it the best all around potato ever introduced." Pk. 50c., bush. $1.60, bbl. $4.00.



EARLY SIX WEEKS.

Early Harvest. An early white skinned variety of finest quality. A vigorous grower and great yielder. Said to bear shipping better in hot weather than most kinds. Pk. 50c., bush. $1.50, bbl. $3.75.

Early Norther. In general appearance closely resembles its parent, the Early Rose. Since its introduction it has always been a favorite. Matures about with the Rose, perhaps a little earlier, is equal to that in quality and more even and regular in form. Pk. 50c., bush. $1.50, bbl. $3.75.

Irish Cobbler. Our grower says of this: "The biggest potato and greatest producer I have ever known among the first early varieties. It will outyield all other early kinds and equal most of the later varieties. Quality the best. Color a pure creamy white. Shape round to oblong, smooth. Vines very stocky, foliage dark green. Withstands drought remarkably well for an early variety. It is a wonderful potato." Pk. 50c., bush. $1.60, bbl. 4.00.

Early Essex. A seedling of the Early Rose, which it resembles. The vine, however, is of ranker growth and more productive. It originated years ago in Massachusetts, and while it has never been a leading sort it has been, in portions of New England, a popular one. Pk. 50c., bush. $1.60, bbl. $4.00.

New Queen. A very popular sort. Closely resembles the Beauty of Hebron but is considerably earlier. A heavy yielder and of excellent quality. Pk. 50c., bush. $1.50, bbl. $3.75.

Clark's No. 1. An old favorite and still one with some growers; claimed by them to be earlier and more productive than the Rose, to which it is similar in general appearance. Of excellent quality. Pk. 50c., bush. $1.50, bbl. $3.75.

Early Rose. This standard variety needs no description; it is sufficient to say that most new early varieties are compared with this in earliness and quality. Pk. 50c., bush. $1.50, bbl. 3.75. .

Beauty of Hebron. One of the most popular varieties. Perhaps more extensively grown than any other. Productive, early and of the best quality. Pk. 50c., bush. $1.50, bbl. $3.75.

Early Thoroughbred. A productive early variety. Matures with the Rose, in appearance resembles it; produces but few small tubers; is of extra quality. Vines are exceptionally hardy. Pk. 50c., bush. $1.60, bbl. $4.00.

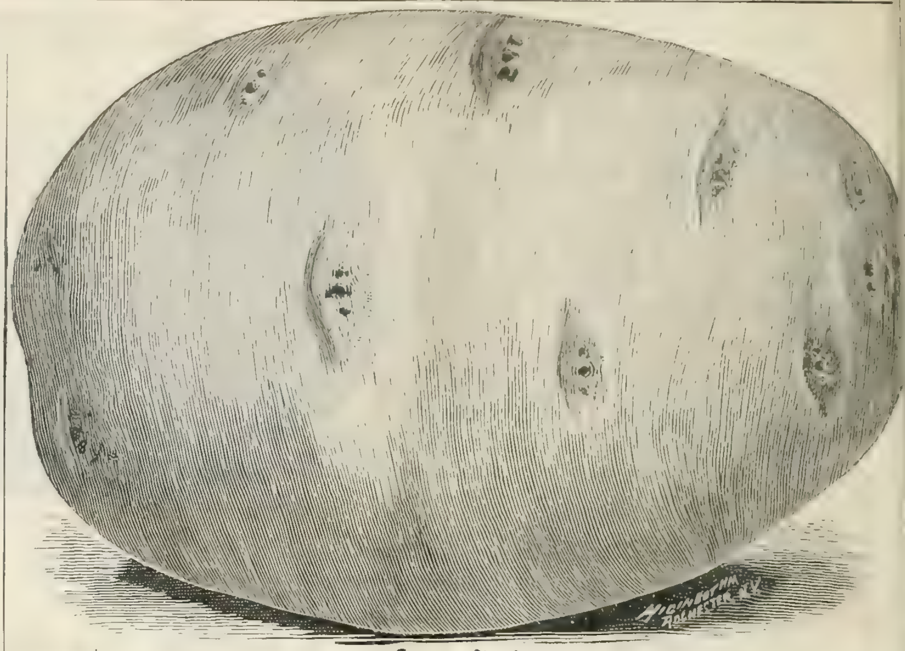
Saving Money by planting the same old stock year after year instead of **Spending Money** for new, is like **Saving at the Spigot and Wasting at the Bunghole.**

POTATOES — *Continued.* — Second Early, or Medium Varieties.

Prolific Rose. This is neither a selection nor sport of the Early Rose but a *new seedling* of merit. Vines more stocky. One of the heaviest yielders of all the Rose seedlings. A little later than the Early Rose. We therefore place it with the second earliers, although we note that our grower now places it with the first early sorts, while formerly he listed it among the second early. Shape similar to the Early Rose. Color the same, except that the seed end is nearer red. Pk. 50c.; bush. $1.50; bbl. $3.75.

Aroostook Beauty. Our grower says of it: "The rankest grower of nearly fifty varieties. Large, very smooth, about the shape of Carman No. 1. Rose colored. Never has rotted with us. Has no weak spots; of fine quality; no blossoms. Destined to become a universal favorite." Pk. 50c.; bush. $1.50; bbl. $3.75.

Delaware. Succeeds well in all soils. A valuable combination of size, yield and quality. White throughout. Shape oblong. Pk. 50c.; bush. $1.50; bbl. $3.75.

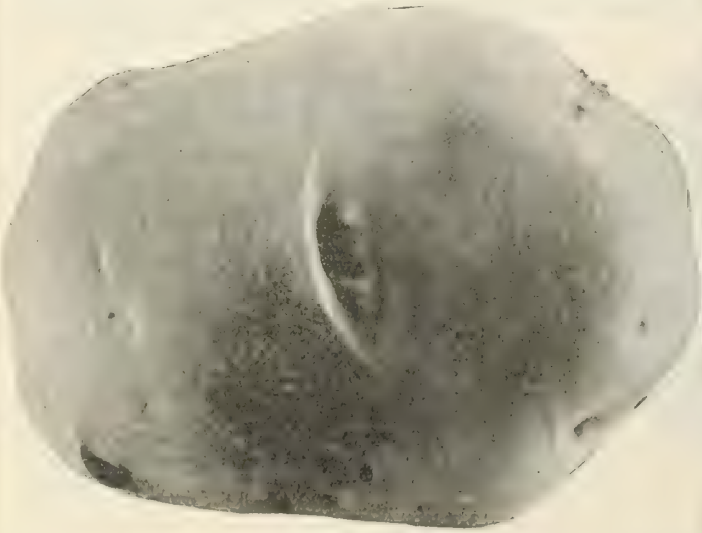


Carman No. 1.

Late, or Maine Crop Varieties.

Green Mountain. A white skinned variety of flat oval form, smooth and attractive. Ripens slowly and is a good keeper. Quality excellent when well grown. This variety has been growing in popularity and is now the leader of this class, if not the most popular of all varieties. Pk. 50c.; bush. $1.50; bbl. $3.75.

Carman No. 1. Originated by Mr. Elbert S. Carman, late editor of the Rural New Yorker. Has been very popular wherever grown. Shape round or globular, skin white, shallow eyes; not inclined to rot in field or cellar; of excellent quality. Late in ripening, but yields large crops of fine marketable potatoes. Pk. 50c.; bush. $1.50; bbl. $3.75.



Carman No. 3.

Cambridge Russet. In shape round to oblong, skin a beautiful light russet-brown covered with fine veinings. Uniform in size—none overgrown, few small ones. Never hollow. Of finest quality. Has a rich growth of vines which resist blight and drouth remarkably. Very productive. Pk. 50c.; bush. $1.50; bbl. $3.75.

Carman No. 3. Also originated by Mr. Carman, who said of it: "First, it is the handsomest round white potato ever produced; second, it will outyield any potato of its class; third, practically every potato is of merchantable size; fourth, its table qualities are up to the highest standard." It has yielded over six hundred bushels per acre, and in one instance twenty-two acres have produced 7,600 bushels. The vines grow very large and vigorous, rich dark green in color, and are not troubled by blight or bugs as much as many varieties are. Pk. 50c.; bush. $1.50; bbl. $3.75.

Rural New Yorker No. 2. This was one of the first varieties originated on the experimental grounds of the Rural New Yorker. Very large and smooth, in form oblong inclined to round; skin and flesh white. Of superior quality. A large cropper. Pk. 50c.; bush. $1.50; bbl. $3.75.

NEW VARIETIES.

In our list of Novelties will be found three new varieties.

The Rochester Early, a new early variety of great merit.

The Spaulding's Number Four, a medium early and one of the most productive potatoes ever introduced.

The Good Times, a new late potato with many good features.

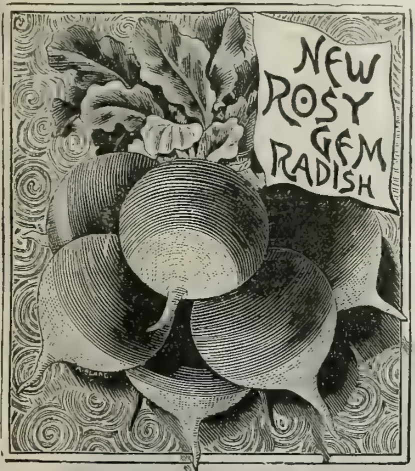
See index for pages.

☞ While we expect to maintain the above prices throughout the season, owing to the liability of the potato market to fluctuate we reserve the right to change without notice. We shall not, however, advance prices unless absolutely necessary, and if there should be any material falling off in prices we shall endeavor to meet them.

RADISH

Early Scarlet Turnip. A small, round variety, with small tops and of quick growth. Popular both for forcing and out-door planting. Deep scarlet.

Early Scarlet Turnip, White Tipped. Roots round, bright scarlet, the lower part white. A rapid grower, well adapted for forcing and used largely for out-door planting, although more liable to be pithy than the Scarlet Globe.



Rosy Gem. Identical with the preceding. Our first trial of it led us to think that it was a selected strain less liable to grow pithy than the White Tipped; subsequent ones, however, have convinced us that there is no difference, but from its popularity with some we feel obliged to catalogue it under this name.

Non Plus Ultra, or Deep Scarlet. One of the earliest; tops very small, especially suited for forcing. Color deep, rich red; form, globular.

Scarlet Globe. The shape of this when large enough for use at first is oval, in later stages of growth is more nearly globular. Brilliant red, which it holds long after pulling. Tops are a little larger than those of some varieties, but it is, nevertheless, largely used for forcing because it is seldom pithy, excelling in this respect any other variety either when planted under glass or out of doors. By far the best of its class for all purposes.

New Early Scarlet Olive Shaped, or Leafless. This differs greatly from the old Olive Shaped, in fact the name is hardly appropriate. It more closely resembles the French Breakfast (though much smaller), having an abrupt termination of the root. It is deeper in color than the Olive Shaped; it has much smaller tops than other varieties, and is, therefore, admirably adapted for forcing, as it can be grown more closely. We cannot recommend it for out-door planting, as with us it has become pithy before attaining a size suitable for pulling.

French Breakfast. A stump-rooted variety; longer than the preceding varieties, often slightly larger at bottom of root than at the top. Bright scarlet, white tipped. An old favorite yet popular for the home garden, but little used by market gardeners.

Early Long Scarlet Short Top. Once the most popular radish, but has been largely displaced in most sections by the round varieties. Grows from six to eight inches long; is ready to pull in twenty-five to thirty days from sowing.

Woods Early Frame. Similar to Long Scarlet, but shorter, of more brilliant color and slightly thicker at top, matures quicker and is more largely used for forcing.

Chartier, or Shepherd. A long variety, distinct, and one of the handsomest. Color, red at the top, shading through pink in the middle to white at the tip. Attains a very large size before being unfit for use. Of too strong growth to be used for forcing, but a desirable variety for out-door growing.

White Strasburg. A fine summer variety, growing about four inches long and two inches thick. Pure white.

Long Black Spanish Winter. One of the hardiest and best for winter use.

Chinese Rose Winter. A popular winter variety, roots cylindrical, slightly larger at the bottom, terminating abruptly. Grows about one-half above ground. Color of upper part scarlet, shading to rose in lower portion; 6 to 8 inches long.

EACH OF ABOVE VARIETIES: Pkt. 5c., oz. 10c., 2 oz. 15c., 1-4 lb. 25c., lb. 75c.

SALISFY ✤ Or Oyster Plant.

Sandwich Island Mammoth. A new and larger growing variety than the old sort. It is claimed of finer flavor. Pkt. 5c., oz. 10c., 2 oz. 20c., ¼ lb. 30c., lb. $1.00.

SPINACH

Round Thick Leaved. The popular variety. Good for either fall or spring planting.

Long Standing. Remains for a longer time than other varieties without running to seed; leaves thick and fleshy. A valuable variety.

Savoy Leaved. The earliest variety; leaves curled and crinkled like the Savoy Cabbage. Should be sown in the fall only, as it runs quickly to seed if sown in the spring.

Each of above, pkt. 5c., oz. 8c., ¼ lb. 15c., ½ lb. 20c., lb. 35c.

SQUASH

Mammoth White Bush Scallop. An improvement on the old variety, larger, pure white and superior in quality. The Scallop varieties, while popular in the South, are but little used in the north.

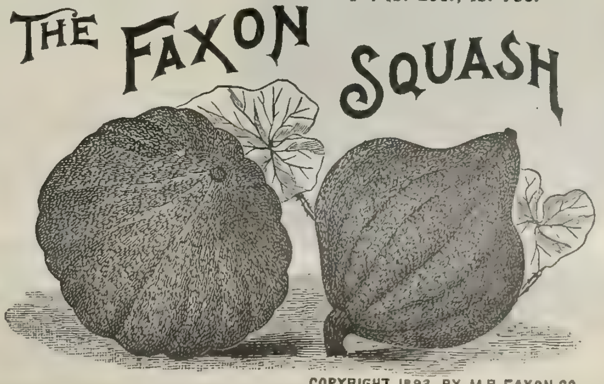
Early Summer Crookneck. For early planting the Crookneck type is used in New England to almost the exclusion of any other. This, while much smaller than the Mammoth Crookneck, is yet largely grown, many considering it of better flavor.

Mammoth Summer Crookneck. This, like the preceding varieties, is of true bush form. The squashes are nearly twice as large as the ordinary Summer Crookneck and more warty. It is generally considered earlier than that. This opinion is held because the fruit attains more quickly a size equal to the ordinary strain when that is mature or fit to eat. If fruit of this were left on the vine until *really in condition to eat*, instead of being taken when half ripe, it would not then be held that it was much earlier, if indeed any. It is because it has been so largely used before reaching a proper size that it is thought by some to be inferior in quality and flavor to the old Crookneck, while it really is fully equal to that.

Fordhook. An early running variety, suited for either summer or winter use. Fruit small, oblong, eight to ten inches in length, with smooth, thin skin, bright yellow; flesh straw yellow, dry, sweet and of fine flavor. Excellent for baking or for pies; a remarkable keeper.

The Faxon. A very desirable variety for the home garden. It is very productive, of medium size (five or six pounds), fine grained, dry, sweet, a good keeper, uniform in shape, but varied in color. This variation in color is a distinct feature of the squash. While some of the ripe squashes are pale yellow, with still paler yellow stripes, others are green, mottled and faintly striped with a light green.

Price of each of preceding varieties: Pkt. 5c., oz. 10c., 2 oz. 15c., 1-4 lb. 25c., lb. 75c.



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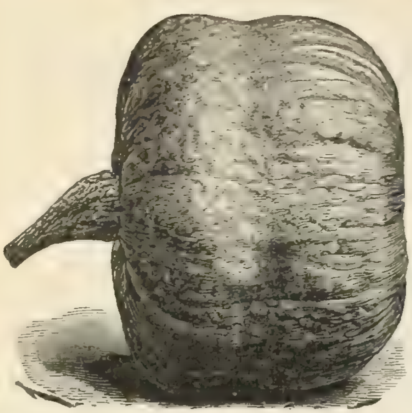


Essex Hybrid.

SQUASH--CONTINUED.

Prolific Marrow. (Dunlap's.) The earliest fall variety; from a week to ten days earlier than any other Marrow. Color deep orange. Skin considerably pitted. Not as thick meated as the Orange Marrow nor quite equal in quality, but especially desirable on account of its earliness and also because it is very prolific. Pkt. 5c., oz. 10c., 2 ozs. 15c., ¼ lb. 25c., lb. 85c.

Orange Marrow. Also an early variety, generally considered identical with the Prolific Marrow, but differs sufficiently to be catalogued as a variety. It is identical in color and pitting but is more nearly round, later, much thicker meated and of better quality. Pkt. 5c., oz. 10c., 2 ozs. 15c., ¼ lb. 25c., lb. 75c.

Boston Marrow. This grows larger than either of the preceding but is not of so deep color. Skin thin, yellow with pinkish tint. Desirable for pies but not as dry as the Hubbard. Pkt. 5c., oz. 10c., 2 ozs. 15c., ¼ lb. 25c., lb. 75c.

Essex Hybrid. A cross between the Hubbard and old Turban, partaking somewhat of the features of both. Like the Hubbard, it is hard shelled. In color it is like the Turban and in form somewhat resembles it, but an improvement. Of fine flavor and quality and an excellent keeper. (See cut.) Pkt. 5c., oz. 10c., 2 ozs. 15c., ¼ lb. 25c., lb. 90c.

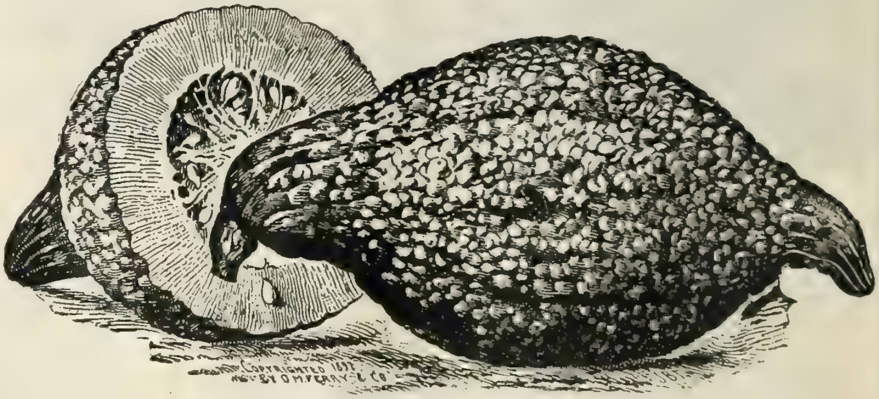
Bay State. Similar in shape to the Essex Hybrid; shell slate color and harder, and flesh is dryer than of that variety. Of excellent flavor and very solid. Pkt. 5c., oz. 10c., 2 ozs. 15c., ¼ lb. 25c., lb. 90c.

Warren. Similar in shape to the Essex Hybrid, but of richer color, a very deep orange. Shells also are thicker and are rough and warty. Claimed to be of better quality. Pkt. 5c., oz. 10c., 2 ozs. 15c., ¼ lb. 30c., lb. 90c.

GOLDEN HUBBARD.

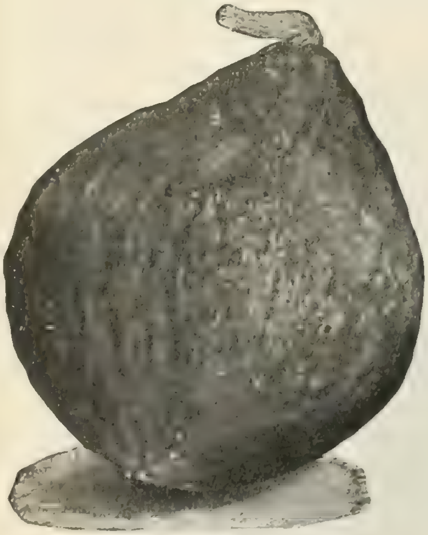
This has now become a standard variety, and as extensive as our list of varieties now is this is yet a decided acquisition.

It is a distinct sort, of the shape and general character of the Hubbard, but a little smaller, earlier to mature, and a rich orange red instead of the dark olive green of the old Hubbard, while the flesh, which is thick, is a little deeper colored, of fully as good quality, fine grained and dry. Pkt. 5c., oz. 15c., 2 ozs. 25c., ¼ lb. 35c., lb. $1.25.



Hubbard. A well-known and favorite winter variety, more largely grown than any other. Very hard shelled, skin dark green, flesh yellow, fine grained, sweet, dry, and of the best flavor. We offer a choice strain, considered by some of our customers to be superior to the popular Chicago Hubbard Pkt. 5c., oz. 10c., 2 ozs. 15c., ¼ lb. 25c., lb. 90c.

Chicago, or Warted Hubbard. A selection of the Hubbard with thickly warted shell. Equal in quality to that and generally considered to be of more attractive appearance. Of this also we offer a carefully selected strain, unsurpassed by any we have ever seen. Pkt. 5c., oz. 10c., 2 ozs. 15c., ¼ lb. 25c., lb. 90c.



Golden Bronze.

GOLDEN BRONZE.

A NEW VARIETY.

The introducers say of it: "A cross, some four years ago, of the Bay State and Boston Marrow. In form the same as the last named, with stem and blossom end precisely like that variety; also having that peculiar wrinkled appearance of the skin like the Boston Marrow. Size averaging from eight to ten pounds; color a dark greyish green, with bronze on upper surface when ripe; flesh an exceedingly bright golden yellow. Fine grained, very sweet and of delicious flavor. Early in maturing, a good keeper and yielder. Squashes are of very uniform size and appearance. As a squash, combining the qualities desired for the table and pies, this has no superior. Specimens grown in 1897 were kept until June, 1898." Pkt. 5c., oz. 10c., 2 ozs. 20c., ¼ lb. 30c., lb. $1.00.

Marblehead. Form oval, shell hard, slate-colored. Dry, of delicious flavor and a good keeper. Pkt. 5c., oz. 10c., 2 ozs. 15c., ¼ lb. 25c., lb. 90c.

Sibley, or Pike's Peak. A fine old variety; dry, fine-grained and of rich, delicate flavor. Pkt. 5c., oz. 10c., 2 ozs. 15c., ¼ lb. 25c., lb. 90c.

Large Winter Crookneck. Vine resembles that of the pumpkin, easily grown. Seldom troubled by borers, very productive; of fair quality. Pkt. 5c., oz. 10c., 2 ozs. 15c., ¼ lb. 25c., lb. 75c.

Mammoth Chili. The largest variety, attaining under special cultivation an enormous size, and often weighing 200 pounds or over. Pkt. 10c., oz. 20c., ¼ lb. 60c.

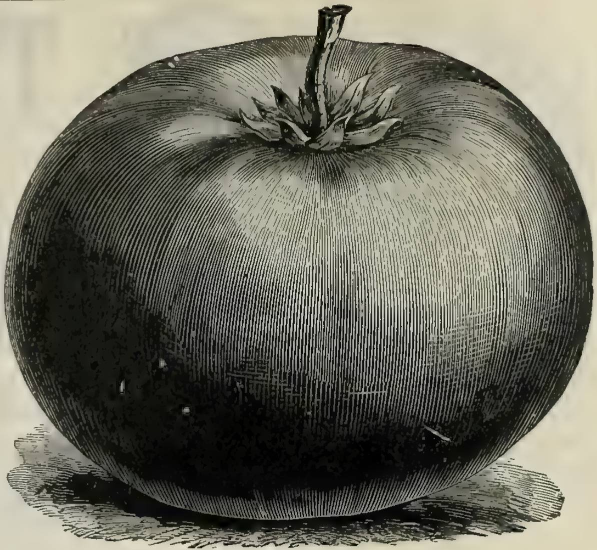
TOMATO

SPARKS' EARLIANA

The Largest Early Smooth Tomato

This new extra early variety is exactly what many gardeners have for a long time desired — an extra early which would, if not equal the later varieties, more nearly approach them in size, smoothness and quality than any of those of previous introduction. In the Earliana we have one that at the very least compares favorably with later varieties in size and smooth, regular form, and surpasses many of them in solidity, having a smaller seed cavity and fewer seeds than almost any other variety, while in quality it ranks with the best. It has also the merit of ripening a good proportion of its fruit early, and on this account alone is a profitable variety for the market gardener. The vine is of rather slender habit, hardy and productive, and produces its handsome deep red fruit in clusters of five to eight.

Price. Pkt. 10c., ¼ oz. 20c.; oz. 35c., 2 ozs. 60c., ¼ lb. $1.00.



The Stone

Atlantic Prize. An extremely early variety of medium size; bright red.

Acme. An old, yet still popular variety. Fruit of good size; bright pink.

Livingston's Perfection. One of the most popular large red tomatoes. Fruit is very solid with not a large amount of seed. Vine hardy and productive.

Livingston's Favorite. Very similar to Perfection.

Livingston's Beauty. Fruit large, solid, and smooth; purplish pink.

The five varieties at uniform prices. Pkt. 5c., ¼ oz. 15c., oz. 25c., 2 oz. 40c., ¼ lb. 75c.

IMPERIAL

ONE OF THE MOST PRODUCTIVE

The Imperial was originated by a market gardener, a large grower of tomatoes, who said of it at its introduction: "My experience with it is that it is the earliest, most solid, and most productive, perfectly smooth tomato on the market. It ripens evenly, is the best flavored, and more than twice as productive as any other known variety. It is the handsomest tomato grown; I always get first premium at the fairs." Color purplish crimson.

Price. Pkt. 5c., ¼ oz. 15c., oz. 25c., 2 oz. 40c., ¼ lb. 75c.

THE STONE

A FAVORITE FOR MARKET OR SHIPPING

Since its introduction this has steadily increased in favor with market gardeners on account of its exceptional firmness and great productiveness. Its solidity and carrying qualities are remarkable. Its color is a desirable red; in shape, thicker from stem to blossom end than most varieties; perfectly smooth, making it very handsome and salable.

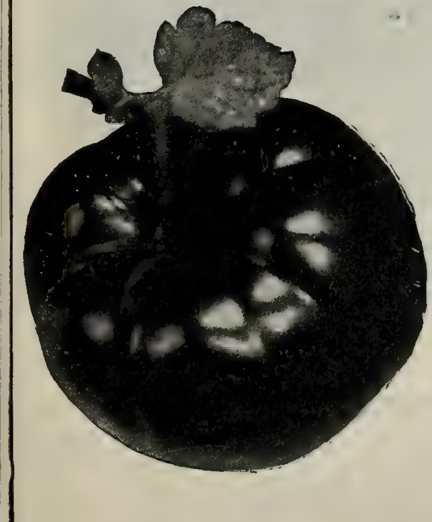
Price. Pkt. 5c., ¼ oz. 15c., oz. 25c., 2 oz. 40c., ¼ lb. 75c.

TRUCKER'S FAVORITE

THE FINEST LARGE-FRUITED PURPLE TOMATO

This new variety is very uniform in size, thick meated and very solid. Although very large it is always smooth, ripens evenly, and is of the finest flavor. The vine is of strong, vigorous growth, not subject to rust or blight, and produces enormous crops, yielding well throughout the season until killed by frost.

Price. Pkt. 10c., ¼ oz. 20c., oz. 30c., 2 oz. 50c., ¼ lb. 85c.



Dwarf Stone

Three Dwarf Varieties

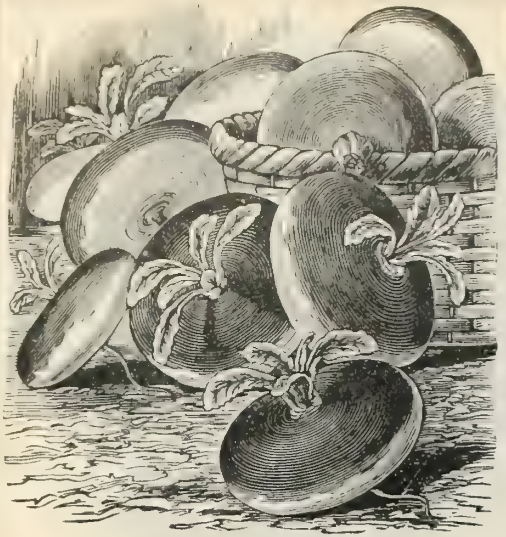
Which on account of their dwarf habit and compact form may be set much closer than the ordinary type

Livingston's Dwarf Stone

A new variety from the Livingstons. They say of it: "In habit of vine it resembles Dwarf Champion, but is of stronger growth and more erect. The fruit resembles Livingston's Stone in color, shape, and what is more remarkable for an erect sort, it is practically of the same size. Ten fruits picked from one vine at same time weighed five pounds, three ounces. Five fruits selected by eye for average size weighed two pounds, nine ounces. This was under field cultivation on farm land, with no fertilizer. Specimens weighing one pound each are quite common. The New Dwarf Stone is fully double the size of Dwarf Champion, and yet equally as early. It is fully as prolific, and consequently vastly more productive. We consider this one of our best productions, one that will meet with general favor; especially will this be true with the class of growers whose gardening is limited to a few acres, and where economy in saving land must be taken into account. **Price.** Pkt. 10c., ¼ oz. 30c., oz. 50c., ¼ lb. $1.50.

Dwarf Champion. Vine dwarf and compact, early and productive. Fruit of medium size, in color deep purplish red. Pkt. 5c., ¼ oz. 15c., oz. 25c., ¼ lb. 75c.

Dwarf Aristocrat. Of similar habit to Dwarf Champion. Preferred by some on account of its color, which is bright red. Prices same as for Dwarf Champion.



Purple Top Milan.

Turnip

The following list comprises the best varieties in cultivation and all the good ones that are to any extent distinct. We see no reason for including several varieties generally catalogued which are either similar or inferior to those offered. Our Turnip seed is the best the world affords:

Early White Milan. The earliest, showiest and best early white turnip ever offered. The pure white roots are very smooth and handsome, tops small, upright and compact, allowing a close planting. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 25c., lb. 75c.

Early Purple Top Milan. Similar to the White Milan, but a little flatter and purple on top; an excellent variety. Superior to the well-known Purple Top Flat. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 25c., lb. 75c.

Early Purple Top. Strap leaved. This well-known variety is yet the most popular early one, although not equal to the Early Top Milan. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 20c., lb. 50c.

Early Snow Ball. Pure white, round, of medium size and fine quality. Fit for use six weeks after planting. Pkt. 5c., oz. 10c., 2 ozs. 15c., ¼ lb. 20c., lb. 50c.

Early Purple Top White Globe. One of the handsomest varieties, the upper portion of the root being a purplish red, the lower pure white. A rapid grower, attaining a marketable size sooner than other large globular varieties. Of the best quality and an excellent keeper. Owing to its strong growth should be more severely thinned than other early varieties. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 20c., lb. 50c.

White Egg. Also a very attractive variety and of superior quality. Egg-shaped, pure white. Grown to some extent for early use, and is a very popular winter variety. A fine keeper. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 20c., lb. 50c.

Yellow Globe. The standard yellow variety. Round, slightly flattened. Largely grown for stock and to some extent for market. An excellent keeper. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 20c., lb. 50c.

Golden Ball, or Orange Jelly. The handsomest yellow variety. Of perfectly globular form and of rich orange color, superior in both shape and color to the Yellow Globe. The flesh is pale amber, fine grained, mild and sweet. It is equal as a keeper to any other variety. Pkt. 5c., oz. 10., 2 oz. 15c., ¼ lb. 20c., lb. 50c.

SWEDISH, RUSSIAN OR RUTA BAGA

White French, or Rock. A very delicate flavored variety; an excellent keeper; fine for table. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 20c., lb. 50c.

Sweet German. A white globe-shaped sort. Superior for table use. Of excellent quality; good keeper. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 20c., lb. 50c.

Breadstone. A medium sized quick growing variety; white, faintly colored at top; exceptionally tender and sweet. One of the best table varieties. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 25c., lb. 75c.

Budlong. Originated in Rhode Island by Mr. Budlong, a very extensive grower of Ruta Bagas. Earlier and more nearly round than other white varieties of this class. An excellent strain. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 20c., lb. 50c.

Shamrock. A popular English Yellow Swede. A decided favorite with our local trade. Has short neck, shape oblong. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 20c., lb. 50c.

Long Island Improved. This is undoubtedly the finest variety of Purple Top Ruta Baga, and is of American origin. It grows much larger than other American varieties, is therefore desirable for stock, but equally desirable for the table and market as it is tender and sweet and of very attractive appearance. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 20c., lb. 50c.

Long Island Improved Swede

HERBS. Sweet or Pot.

	PKT.	OZ.		PKT.	OZ.
CARAWAY,	$ .05	$ .10	SAGE,	$ .05	$ .20
CORIANDER,	.05	.10	SUMMER SAVORY,	.05	.20
DILL,	.05	.15	SWEET MARJORAM,	.05	.20
FENNEL,	.05	.15	THYME,	.05	.40

Grain and Miscellaneous Seeds for Forage Crops

While we always endeavor to maintain throughout the season prices quoted, owing to the liability of the market to fluctuate, these prices are subject to change without further notice.

BARLEY. Very largely used in New England as a forage plant. The seed we offer is suitable for either this purpose, or for the growing of grain, being a very choice grade. For soiling, sow 2½ to 3 bushels per acre; for grain, less is required.

Mansury 6 Rowed. Bush. $1.10. **2 Rowed.** Bush. $1.25.

Beardless. Considered by many much more desirable for green fodder, and especially so for hay, in that it is free from beards. which are thought to often injure cattle. Bush. $1.35.

BUCKWHEAT, Japanese. By far the best variety. Earlier, yields better and grain is larger than of other kinds. Bush. $1.40.

Oats. Used extensively for soiling. We offer as good and clean seed of the common strain as can be obtained, and which is doubtless suitable for this purpose. If, however, seed is desired for the raising of grain, the following variety will be found more profitable. Bush. 60c.

OATS. Long's White Tartar. Claimed to be the earliest, heaviest and most prolific domestic-grown Oat in cultivation, and suitable for all soils. The straw is long and stout, and does not easily lodge. The heads are from 8 to 10½ inches in in length, while the kernels are very large, plump and heavy. The seed we offer weighs about 40 lbs. to the bushel. While we always endeavor to procure plump, heavy seed of the old common strain for soiling, it is a mistake to sow such for the purpose of securing grain, when, by the use of a new variety like this, a much heavier crop may be had. Bush. $1.25, 10 bush., or over, $1.20 per bush.

RYE (Spring.) Used very extensively in New England for a forage crop, seed scarce. Bush. $1.50.

WINTER RYE. Bush. $1.25.

WHEAT. (Spring.) Choice selected seed. Pk. 60c. Bush. $2.25.

WINTER WHEAT. This is now being considerably used in the East for early green feed in the spring, and is considered by some to be greatly superior to rye for this purpose. Price on application.

JAPANESE OR BARNYARD MILLET.

We are enabled to publish this photographic illustration of a field of Japanese Millet through the kindness of the Hatch Experiment Station of the Massachusetts Agricultural College.

JAPANESE MILLET,
—OR—
JAPANESE BARNYARD GRASS

(Panicum Crus Galli.) The most popular forage plant ever introduced. Readily eaten by cattle either green or dry.

GOOD FOR SOILING, FOR ENSILAGE, FOR HAY.

Will produce more tons per acre of either green or dry fodder than any other plant of similar nature. For further description see one of following pages under head of Millets.

Lb. 10c., 10 lbs. 90c., 25 lbs. $2.00, 100 lbs. $7.50.

DWARF ESSEX RAPE. Used both for green manuring and for pasturing sheep and hogs, and is considered by many to be the cheapest feed for these animals and to leave the land in an improved condition after the crop has been eaten by them. Sow as soon as frost is out of ground, the crop will be ready for pasturing in about six weeks. Sown in drills, two and one-half feet apart, it will require about three pounds per acre, broadcast about double that quantity. **Price.** Lb. 12c.. Lb. by mail 25c. 10 lbs. 75c. 25 lbs. or over, 6c. per pound.

Seeds for Forage Crops

Continued

VETCH. Spring. (Vicia Sativa.) Known also as Spring Tare. Used the same as the Canada Pea, as a green forage plant. May be sown alone, but is generally sown with oats, and requires then from ¾ to 1 bush. per acre. Bush. $2.75.

Winter, Sand or Hairy. (Vicia Vilosa.) This thrives on poor, sandy soil, and will produce heavy crops of hay or green forage. It is perfectly hardy, may be sown either in spring or fall, and will remain green through the winter. It is claimed to be more satisfactory than Crimson Clover, as it may be sown later and produces a larger crop of green foliage earlier in the spring. It makes an excellent cover crop, preventing washing by winter storms. It may be sown with rye, the latter making a support for the vine. Alone, 1 bush. per acre; with rye, ½ bush. (60 lbs. to the bush.) Lb. 12c., 10 lbs. $1.10, 100 lbs. $10.50.

Kafir Corn. This is especially valuable for dry and comparatively poor soils, withstanding long periods of drought, and producing a fair crop of good fodder under conditions that would ruin common corn. It is distinct from the latter in habit of growth, does not stool from the roots, but branches from upper joints. The stalks are tender and juicy, are used entire as well as the blades and are readily eaten by horses or cattle either green or dry. Usually sown in drills about 2½ ft. apart, with plants from 5 to 9 inches apart, according to the nature and condition of soil. About 10 lbs. to the acre. For further information we advise a reading of Farmers Bulletin No. 37, which may be obtained of the Secretary of Agriculture at Washington, D. C., on application. Lb. 10c.; lb. by mail, 20c.; 10 lbs. or over by express or freight, 5c. per lb.

Early Amber Sugar Cane. Sorghum is more and more becoming to be regarded of value as an addition to the list of fodder and ensilage plants. The Early Amber Sugar Cane is considered the most desirable variety of this class for these purposes. It withstands extreme drought and hot dry winds, remaining fresh and green through a dry period that would ruin corn. It is recommended for pasturing, especially for sheep and hogs. It will mature a crop of grain wherever Indian corn will ripen. This, while not quite equal in value for general feeding purposes to corn, is, however, considered very desirable for poultry in that it is greedily eaten by them, affords a desired change, and is said to greatly stimulate egg production. Further information may be gained by a reading of Farmers' Bulletin No. 50, which may be obtained free on application to the Secretary of Agriculture at Washington, D. C. Seed may be sown either broadcast or in drills with the rows sufficiently apart to admit of cultivation, the latter method being the more popular in the East. 75 to 100 lbs. to the acre. Lb. 12c.; lb. by mail, 20c.; by express or freight, 10 lbs. 75c.; 25 lbs. or over, 6c. per lb.

A Field of Peas and Oats

The above photographic illustration is from a cut loaned us by the Hatch Experiment Station.

In the Station's Bulletin No. 72 — Summer Forage Crops, we find the following regarding this combination.

"Oats and Canada field peas make the best green crop to follow clover. Generally it is advisable to make three sowings: the first as early as possible in the spring, April 20 to 25, and the second and third fifteen and thirty days later. One and one-half bushels each of the oats and peas is the usual quantity to the acre. They may both be sown broadcast at the same time after the land is plowed, and thoroughly harrowed in with a wheel harrow. Some sow the peas first, covering with a wheel harrow, then sow the oats and cover with an acme or similar harrow. This method however is hardly necessary. The first sowing will be ready about June 25 and cutting should begin as soon as the oats show the head. The average yield from the first sowing is 10 tons to the acre. The yield from the second and third sowings is not likely to be as heavy, as the crop matures more quickly during the warm weather. Oats and peas will remain in condition to be cut for 10 or 12 days. The average cow will consume 60 to 80 pounds daily until the feed becomes tough. One-third to one-half acre will furnish sufficient fodder for 10 cows twelve days."

CANADA PEAS. These may also be sown with other grains as well as with oats, and are sometimes sown in August with Barley. They are also sometimes sown alone. Pkt. 50c., bush. $1.75.

COW PEA. This is not only an excellent forage plant, but a great soil enricher as well, and has been rightly termed the "poor man's bank," as, in common with all leguminous plants, it increases the fertility of the soil upon which it grows. While this fact has been recognized for a long time it was not until recently known how this was accomplished, but within a few years it has been discovered by scientists that minute bacteria which live within the roots of leguminous plants take up free nitrogen from the gases in the soil. Nitrogen, as nearly all know, is a necessary element of plant food. This is usually furnished by the use of nitrate of soda or some form of animal wastes. The first is expensive and other forms more or less so, therefore any suggestion as to a cheaper way to obtain this indispensable element is certainly worth considering by all engaged in agriculture. Scientists tell us that on every acre of land there rests over three thousand tons of atmospheric nitrogen, a certain quantity of which can be transformed into available plant food every time a crop of Cow Peas, Red Clover or Alfalfa is grown upon it. The Cow Pea has for years been grown in the South, and in the past few years considerable attention has been given it in the North. The rapidly increasing demand for seed here shows that at least some have learned the value of this plant. It is unfortunate that it bears the name pea, as it is really a bean. The misnomer has evidently led some to plant too early, and probably many of the failures in the North may be rightly attributed to a too early planting. The suggestion that Cow Peas be sown with Oats appears to us an unwise one, as in this latitude the latter succeeds best when sown as early as possible. They are recommended to be sown with corn, but are here generally sown alone and used for forage, ensilage; are sometimes made into hay, and to a small extent for plowing into the soil. The latter practice is, however, not as prevalent as once, it being considered now more profitable to feed the crop to stock and return the stable manure to the soil. Seed may be planted in drills or broadcast; the amount varying from 8 quarts to 2 bushels per acre, less of course being required if sown in drills 18 to 30 inches apart than when broadcast. It may be covered to the depth of 2 or 3 inches. While there are a number of varieties, we have not thought it necessary to offer but two. Of these the Whippoorwill is here used much in excess of the other.

Whippoorwill. Clay. Each, pk. 85c., bush. $3.00.

SOY, or Soja Pea. This is another valuable legume, yearly growing in popularity as a forage and ensilage plant. From the Farmers' Bulletin, No. 58, we take the following: "In both Europe and America it has been found to thrive best on soils of medium texture that are well supplied with potash, phosphoric acid, and lime. It succeeds very well, however, on comparatively light soils, often giving an abundant crop on soils too poor to grow clover. As a general thing the Soy Bean is not so easily injured by frost as the common field bean, and hence can be planted earlier. While possessed of excellent drought-resisting qualities, it at the same time seems to be able to survive a period of excess of moisture better than the Cow Pea or even corn. In a general way the same methods of culture may be recommended as would be given to the ordinary field bean." One of the most important uses of the Soy Bean is for green forage—wherever tried it has proved a most valuable forage for milk production. A number of State experiment stations have conducted experiments in making and feeding Soy Bean ensilage, and the results have been quite satisfactory. The silage keeps well, is readily eaten by stock, and the animals show good results in flesh or milk production.

Early Yellow. Succeeds on any soil but especially well on light sandy or gravelly soil. Can be grown to the Northern limit of bean culture. Pk. 85c., bush. $3.00.

MEDIUM EARLY GREEN. Of very branching habit, and produces a dense, rank growth of foliage. Considered one of the best for soiling or ensilage and especially popular in the East. Pk. $1.15; bush. $4.00.

Grass Seeds

IT would seem unnecessary for us to make an extended comment on the great importance of a knowledge of grasses to the farmer. That he should have at least a general knowledge of the many species and varieties, the adaptability of each to certain soils or situations, their comparative value regarding nutrition, production, duration, etc., ought to be obvious to all engaged in the culture of grasses.

Custom is not always wisdom; on the contrary is often but another name for ignorance. Knowledge often leads to a departure from custom and generally with profitable result A better information upon this subject would, we feel sure, at least greatly modify the present custom, if not to an extent revolutionize it, in that it would lead to an increased if not general use of many varieties of grasses of which now but little is generally known.

What we think should determine the grasses to be used on a given soil should be, first, the nature of the soil and situation, and perhaps next, whether to be mown or pastured, and also whether intended for temporary or permanent use.

For the many varying natures and conditions of soils, situations, climate, etc., there seem to be grasses especially suitable. Some thrive in one place or soil and and fail utterly in others Some delight in cool moist land and others in dry hot places, and still others seem to have a general adaptability to all soils. Some start very early in the spring, some grow till late in the fall, while others start early, bear repeated cuttings, and grow till late in the season. Some are very productive at once but die out in a few years, while others require a much longer time to become established, are then productive and continue to be so for many years. It is obvious, then, that the farmer engaged in dairy farming or in the production of grass or hay, ought to be as well informed as possible of the nature or characteristics of the different grasses to obtain the most profitable result in his occupation.

The descriptions in the following list have been compiled from various writers interested in the subject either in a scientific way or commercially, modified by the opinions of those engaged in growing grasses as a farm crop. That they may not be entirely correct is probable, but we trust that in the main they are and that they will be of assistance in the selection of varieties for the many different soils, conditions, purposes, etc.

Of the grass seeds which we offer we have only to say that we aim to have the best obtainable. We do not claim to have better than any other dealer, and have but little respect for seedsmen who make such claims. We do, however, claim to have *as good as any and better than some*, and offer them at prices compatible with their quality.

As the market price of the leading varieties of grass seeds is very liable to fluctuate, we are not always able to maintain quoted prices through the entire season, although endeavoring to do so. *These prices are, therefore, subject to change without notice.*

Many of the grasses in the following list are not suitable for sowing alone. We have, however, with each given the quantity required per acre if sown in that manner, which will perhaps aid in determining the amount of each necessary when used in mixtures.

The term Bushel, as applied to grass seeds, and in fact to nearly all other seeds, is an indefinite and misleading one, as the bushel is determined by weight without regard to bulk. We have, therefore, to a great extent, discontinued its use here (as it ought to be entirely in regard to everything), only using it where custom unwisely necessitates it.

—— **25 lbs. will be sent at the 100-lb. rate.** ——

Awnless Brome Grass. (Bromus Inermis.) An extremely hardy grass, enduring a wider range of temperature than any other and standing well long droughts. Will produce large crops of hay where most other grasses would perish. While not equal in nutritive quality to that of our standard sorts, it, because of its drought-resisting ability and great hardiness, is very desirable for sowing in dry locations where it would be useless to attempt to grow the more nutritious grasses. Owing to the rapid spreading of its creeping root-stocks and quick formation of new plants, it is difficult to eradicate when once established, and is therefore rather undesirable for temporary meadows. Height, 3 to 5 feet. 35 to 40 lbs. per acre. Lb. 20c., 10 lbs. $1.75, 100 lbs. $15.00.

Canada Blue Grass. (Poa Compressa.) This thrives on a variety of soils and is very hardy. It forms by means of its creeping root-stocks a compact and durable turf of fine texture. It thrives on the poorest and dryest soils, and also on hard clayey ground as well, and grows well in the shade. It withstands remarkably extremes of drought and wetness and will endure severe frost, remaining green later in the season than most other grasses. It is said to be nutritious, and is considered by some to be one of the most valuable for pastures, they claiming that cows feeding on it yield richer milk and also keep in better condition than on other sorts. It differs from the Kentucky Blue Grass in that the stems are flattened, decumbent and wiry. and also in its color, which more nearly approaches blue. It is not as valuable as that variety on good land but is desirable for light soils where many of the more productive grasses would not thrive, and is especially desirable for pasture mixtures designed for poor soils or shady situations. Height, ½ to 1½ feet. 40 lbs. per acre. Lb. 15c., 10 lbs. $1.25, 100 lbs. $10.00.

Creeping Bent Grass. (Agrostis Stolonifera.) This is of rapid growth, fine texture, and of creeping, spreading habit. Its growth is low and compact and its stoloniferous roots form an extremely close sod which endures remarkably constant trampling, if, indeed, it is not thereby improved. It is therefore one of the most valuable grasses for the lawn, and is a component of most mixtures for Tennis and Golf Grounds. Lb. 30c., 10 lbs. $2.50, 100 lbs. $23.00.

Crested Dogs-tail. (Cynosurus Cristatus.) While thriving best on moist rich land, this seems to accommodate itself to nearly all soils. As its roots penetrate the ground deeply it is enabled to withstand severe droughts, making it of value for hilly situations. It also thrives in the shade. It forms a compact, smooth and durable turf, and because of its adaptability to a variety of soils and conditions should form a part of all mixtures for permanent pastures. It is as well a valuable grass for the lawn, and should especially be included in those mixtures designed for shady places. It is very nutritious and tender if cut at time of flowering and is then greedily eaten by cattle, but refused by them if allowed to ripen seed, when it becomes hard and wiry. Recommended to be used to a limited extent in mixtures for permanent mowing as well as for mixtures previously mentioned, but not generally for sowing alone. Would, however, require for that purpose 30 lbs. per acre. Height, 1 to 2 feet. Lb. 40c., 10 lbs. $3.50, 100 lbs. $33.00.

English or Perennial Rye Grass. (Lolium Perenne.) While not a misnomer, the term perennial as applied to this is nevertheless misleading, in that it seems to imply permanency, while under favorable conditions it seldom lasts more than three or four years. It is, however, a very valuable grass, owing to its quick growth, great productiveness and nutritious quality. In Great Britain it is considered the most valuable grass, and holds there the relative position that Timothy does here. While the cool and moist climate of England is especially conducive to its growth it, nevertheless, thrives well in our eastern and middle states and in a great diversity of soils. It makes a strong growth in four or five weeks from sowing, and when cured is sweet flavored and very nutritious, and while the hay is somewhat hard, it is greatly relished by both cattle and horses. It often constitutes a part of mixtures for mowing or pasturing, both temporary and permanent. The objection to it by some for the permanent mixture is not, in our opinion, entirely well founded. We consider it desirable in such mixtures, for the reason that it furnishes at once a large crop of hay or very early feed, as the case may be, and in either occupies the ground at once, and as it dies out its place is filled by those sorts which require a longer time to become established. Its use is advised by some for quick effect on lawns, but it is not generally considered as good as the following variety. Height, 1½ to 2 feet. 60 lbs. per acre. Lb. 12c., 10 lbs. $1.00, 100 lbs. $8.00.

Pacey's Perennial Rye Grass. A selected strain of dwarf habit, desirable for lawns for quick effect, making a fine green turf in a few weeks. Lb. 15c., 10 lbs. $1.25, 100 lbs. $12.00.

Fine Leaved Sheep's Fescue or Slender Fescue. (Festuca Ovina Tenuifolia.) A variety of *F. Ovina* or Sheep's Fescue, having much finer leaves. It thrives on dry and poor soil, bears grazing well, is very hardy and lasting, and is therefore desirable for mixtures designed for permanent pasture on dry, hilly situations. It is of dwarf habit, which, with its fineness of leaf, makes it of value for dry slopes on the lawn. Height, 1 to 2 feet. 35 lbs. per acre. Lb. 40c., 10 lbs. $3.50, 100 lbs. $33.00.

Fowl Meadow. (Poa Serotina.) This grass grows abundantly in almost every section of New England, and in portions of the Middle and Western States, especially where it has been introduced and cultivated in suitable ground, such as the borders of rivers and places occasionally flooded. It never grows so coarse or hard but that the stalk is sweet and tender, and eaten without waste. It is easily made into hay, and is a nutritive and valuable grass. It does best used in mixtures. If sown alone, 30 to 35 lbs per acre. Lb. 40c., 10 lbs. $3.80, 100 lbs. $35.00.

Hard Fescue. (Festuca Ovina Duriscula.) This also is a variety of Sheep's Fescue, of dwarfer habit and not as vigorous in its growth. It is especially desirable for dry, shallow soils, and is, like all varieties of Sheep's Fescue, very hardy, withstanding extremes of heat and cold and long periods of drought. It is probably of most value as a pasture grass on sandy soils, though it may often be used to advantage in meadow mixtures for well-enriched clayey lands and will there often yield a good crop of hay and a heavy aftermath. Recommended by some for lawns. An objection to it, however, for that purpose is found in its stooling habit. Height, 1 to 2 feet. 30 lbs. per acre. Lb. 20c., 10 lbs. $1.75, 100 lbs. $15.00.

Italian Rye Grass. (Lolium Perenne Italicum.) This, like the Perennial Rye Grass, is of very rapid growth. With this in its favor that it better withstands extremes of temperature and long drought. It is at its best on moist fertile soils of medium consistency, yielding a large crop in four or five weeks from sowing, and after that at intervals of six weeks until late in the fall. It is largely treated as an annual, that is, used for soiling, but is of value in mixtures for temporary meadows but should not enter to any great extent, if at all, mixtures for permanent purposes on account of its short life, which is seldom over two years. Height, 1½ to 2½ feet. 50 lbs. per acre. Lb. 12c., 10 lbs. $1.00, 100 lbs. $9.00.

Kentucky Blue Grass. (Poa Pratensis.) This well-known grass is one of our most valuable, probably combining more points of excellence than any other. It takes two or three years to become established, but will then last almost indefinitely. It succeeds in nearly all soils, starts early in the spring and lasts until frost. It is productive and nutritious and may be used to great advantage in all mixtures for permanent meadows or pastures. Its smooth even growth, fine soft texture and pleasing color, combined with the firm, close turf formed by its many rootstalks, makes it one of our most valuable lawn grasses. Height, ¾ to 1½ foot. 40 to 50 lbs. per acre. Lb. 16c., 10 lbs. $1.40, 100 lbs. $13.00.

Meadow Fescue or English Blue Grass. (Festuca Pratensis.) This also, like the preceding, is one of our very valuable grasses, and is probably nearly as largely used as any in the various mixtures, both for permanent and temporary meadows and pastures. It succeeds best in cool, moist, light soils, and no attempt should be made to grow it in warm, dry land. When fully established, which takes two or three years, it much exceeds most other grasses both in the quantity and quality of its product. It is very nutritious, and cattle are very fond of it if cut at the proper time which, as with most grasses, is when in full bloom or soon after. Height, 2 feet. 40 lbs. per acre. Lb. 25c., 10 lbs. $2.25, 100 lbs. $20.00.

Meadow Brome Grass. (Bromus Pratensis.) This, like the Awnless Brome Grass, is very hardy, withstanding extremes of cold and drought. It is recommended for mixtures both for pasture and mowing, but is not recommended for sowing alone except on pooor lands or dry, gravelly hillsides, where grasses of more value will not thrive. It makes good hay if cut before flowering, but later becomes woody and tough. Height, 2½ to 3½ feet. 30 lbs. per acre. Lb. 25c., 10 lbs. $2.25, 100 lbs. $20.00.

Meadow Foxtail. (Alopecurus Pratensis.) An extremely early species, succeeding best on low, moist ground, but adapting itself to higher and dry situations, and withstanding remarkably the burning heat of our summer. It is one of the best grasses for permanent pasture on moist soils, furnishing feed for cattle earlier than any other variety; requiring a long time to develop, should never be sown alone. Height, 2 to 3 feet. Lb. 30c., 10 lbs. $2.75. 100 lbs. $25.00.

Orchard Grass. (Dactylis Glomerata.) One of our most popular grasses, which should, in the opinion of those seemingly best fitted to judge, form the base of most mixtures, both for permanent meadows and pastures. Next to Meadow Foxtail it is the earliest grass, grows in a diversity of soils, succeeding best on those containing some clay and not holding too much water, bears frequent cutting and close cropping, and is very productive and nutritious. It thrives in the shade, hence its name, exceeding in this respect any other grass except the Rough Stalk Meadow (Poa Trivialis). Blossoming with Red Clover it forms with that an excellent combination for temporary mowings. Stock of all kinds eat it readily when young. Cut at the proper stage it makes a much better hay than Timothy, is greatly preferred by animals, is more nutritious, and will greatly outyield it in a season, as it grows very quickly after cutting and yields a much heavier aftermath, exceeding in this respect most other grasses. The only objection urged against it is its tendency to grow in bunches or tussocks, which can in a measure be obviated by sowing with other grasses In fact those most familiar with it say that it is unprofitable to sow it alone in meadows or pastures, as it stands too thin upon the ground, and the filling up of the interstices with other grasses greatly improves the quality of it by restraining its rankness and making it more delicate. Its tendency to grow in bunches entirely unfits it for the lawn. Height, 2 feet. 40 to 50 lbs. per acre. Lb. 16c., 10 lbs. $1.40, 100 lbs. $13.00.

Red or Creeping Fescue. (Festuca Rubra.) A valuable grass for exposed banks, growing in light sandy or gravelly soils and resisting extreme droughts. Its creeping roots form a close, durable turf, making it of value for lawns and golf grounds, and it may be used to advantage in mixtures for shady portions of the lawn. 30 lbs. per acre. Lb. 20c., 10 lbs. $1.85, 100 lbs. $17.00.

Red Top. (Agrostis Vulgaris.) This well-known grass, succeeding best on moist lands, accommodates itself to a variety of soils, often growing fairly well on light dry lands, which accounts for its great popularity, being in the eastern states at least next to Timothy, the most popular grass. It is, however often used like Timothy, to an extent not warranted and in situations where other grasses would probably be more profitable because better adapted to them. It stands well our hot climate, is a permanent grass is not greatly affected by trampling, and enters largely into the composition of our natural pastures, that is, those on moist lands. It is of fine growth and forms a close turf which, with its permanency, makes it valuable in lawn mixtures. Height, 1 to 2 feet.

Extra Clean or Fancy Seed—entirely free from chaff. 20 lbs. per acre. Lb. 12c., 10 lbs. $1.10. 100 lbs. $10.00.

Common or Chaff. 50 to 60 lbs. per acre. Lb. 7c., 10 lbs. 60c., sack of 50 lbs. $2.50.

Rhode Island Bent. (Agrostis Canina.) This resembles the preceding but has shorter and narrower leaves, is dwarfer in its habit, and thrives in a wider range of soils. It is one of the most valuable grasses for the lawn, forming a firm, close, durable turf, and is of the softest, finest growth. Height, 1 to 2 feet. 40 lbs. per acre. Lb. 25c., 10 lbs., $2.25, 100 lbs. $20.00.

Rough Stalk Meadow Grass. (Poa Trivialis.) Of spreading habit and very stoloniferous. It thrives on moist rich soils and is valuable in pasture mixtures for moist lands, making a fine bottom growth. It excels all other grasses except, perhaps, Orchard Grass, in growing in the shade, and being otherwise suitable should always enter into mixtures for shady lawns. Height, 1½ to 2½ feet. 20 lbs. per acre. Lb. 35c., 10 lbs. $3.25, 100 lbs. $30.00.

Sheep's Fescue. (Festuca Ovina.) This, like its varieties previously mentioned, thrives in dry, shallow, poor soils, and is very hardy. It is of dwarf but thick growth, producing a large amount of herbage, which is very nutritious and of which sheep are extremely fond. It is valuable in pasture mixtures for high and dry situations and is often used in lawn mixtures, for such places, though somewhat inclined to grow in bunches. Height, 1 to 1½ feet. 35 lbs. per acre. Lb. 20c., 10 lbs. $1.75, 100 lbs. $15.00.

Sweet Vernal Grass. (Anthoxanthum Odoratum.) Valuable for its early and late growth, continuing to throw up root foliage until late in the fall. Of but little value as hay, being of scanty growth and not nutritious. Desirable in meadow mixtures on account of its pleasing odor, sweetening hay, and acting in the nature of a condiment for cattle. Height, 1 to 1½ foot. From ½ to 1 lb. per acre with other grasses. Lb. 75c.

Tall Fescue. (Festuca Elatior.) This thrives best on strong, moist, clayey soils, is very productive and permanent. It is very nutritious, and is readily eaten by all kinds of stock. On suitable soil it yields large crops of hay, and should enter into all mixtures for permanent meadows and pastures designed for moist land. Height, 3 to 4 feet. 40 lbs. per acre. Lb. 30c., 10 lbs. $2.75, 100 lbs. $25.00.

Tall Meadow Oat Grass. (Avena Elatior.) A very hardy species, withstanding extremes of heat and cold, making a very early and luxuriant growth and continuing until late in the fall. It is considered in the south the best winter grass. It succeeds best on deep sandy soils. When used for soiling it may be often cut, four or five times in favorable seasons, and twice for hay, and should be cut for that purpose as soon as it comes into bloom. Cattle are then fond of it. It is especially valuable for pastures on account of its early, rapid and late growth. Height, 2 to 4 feet. 50 lbs. per acre. Lb. 25c., 10 lbs. $2.00, 100 lbs. $18.00

Timothy. (Phleum Pratense.) So well known is this that no description is really needed. It thrives best on moist, loamy or clayey soils, but is largely used on others and doubtless often where other grasses would succeed better. Its extensive use is probably in a measure due to the fact that those who have hay to sell find that no hay sells as well in our city markets as pure Timothy. It undoubtedly is, for temporary meadows on favorable soils, one of our most valuable grasses, but for permanent meadows, especially on comparatively light soils, is not as desirable as some others. If sown alone, from three-fourths to a bushel per acre (45 lbs. to the bushel). Lb. 7c., 100 lbs. $5.00.

We Do Not Send Grass Seeds Postpaid. **If Small Quantities are Desired Sent by Mail,** Add 8 Cents Per Pound to Price Quoted.

Various Leaved Fescue. (Festuca Heterophylla.) An early and very hardy grass, thriving best in cool, moist soils, and is very productive on such when they contain sufficient humus and potash. It produces a large amount of root leaves, making it an excellent bottom grass. It is said to be very nutritious, and is desirable in mixtures for both permanent meadows and pastures. It grows well in the shade, and being of fine growth is especially desirable in mixtures for shaded lawns and parks. Height, 2 to 3 feet. 40 lbs. per acre. Lb. 30c., 10 lbs. $2.75, 100 lbs. $25.00.

Wood Meadow Grass. (Poa Nemoralis.) A very early and permanent grass, especially valuable for shaded lawns and parks; very hardy, withstanding extremes of temperature; roots creeping, forming a close turf. Desirable for permanent pastures and in good soil for hay. 30 lbs. per acre. Lb. 40c., 10 lbs. $3.75, 100 lbs. $35.00.

Add 8 cents per lb. to all prices given in the foregoing list when same is desired sent by mail.

MILLETS.

Hungarian Grass. (Panicum Germanicum.) Used extensively in New England for forage and to some extent for hay. It withstands drought well, succeeds on any ordinary soil, and on rich land two crops may be grown the same season. 48 lbs. to the bushel. One bushel per acre. Bush. $1.40.

Common Millet. (Panicum Miliaceum.) Of somewhat ranker growth than Hungarian and with a more open or loose head. Seed very closely resembles that of German Millet. 50 lbs. per bush., 1 bush. per acre. Bush. $1.50.

German or Golden Millet. (Setaria Italica.) Of stronger, ranker growth than either of the preceding and requires richer land. It has an abundant foliage; is, therefore, an excellent forage crop and makes a coarse, rather harsh hay, but which is readily eaten by all kinds of stock if cut at the proper time. 50 lbs. to the bushel, ¾ to 1 bushel per acre, Bush. $1.50.

Siberian or Russian Millet. Of this comparatively new Millet the largest dealer in grass seeds in this country says: "Siberian, sometimes called Russian Millet, has been grown for a number of years past in this country and has largely taken the place of German and Common Millet, as well as Hungarian. We have made extensive inquiries and the general reports are that the plant grows larger than Common Millet, with beard and chaff similar to Hungarian; the plant making a ranker growth, produces more leaves than either Common Millet, German Millet or Hungarian, leaves starting close to the ground and continuing nearly to top of stem; leaves wide and tender, making it preferable to other Millets for hay. Yields a hay reported ⅓ to ½ more per acre, besides hay softer when cured, greener in color and preferred by stock to other hay or millets. It matures about the same time as Common Millet and Hungarian and earlier than German Millet; it is claimed that it will stand drought better than other varieties of Millet. It has been a success in sections where season is too short to mature a corn crop." ¾ bush. per acre. 50 lbs. to the bush. Bush. $1.25.

Japanese Millet. (Panicum Crus Galli.) This comparatively new yet popular forage plant is of very rank growth, from six to seven feet high, with much larger leaves than any of the preceding. Like all coarse growing plants it needs abundant plant food, and when given this on good soil the yield is immense. While its use has been largely confined to soiling purposes, it may be used for ensilage, and is, when cut at the proper stage and made into hay, readily eaten by both cattle and horses. Probably no other forage plant ever sprang so quickly into popular favor, and that it will continue to occupy a prominent place among our forage plants is without doubt. It may be sown from May 15th to July. 15 lbs. per acre. Lb. 10c., 10 lbs. 90c., 25 lbs. $2.00, 100 lbs. $7.50.

Pearl or Egyptian Millet. (Pencillaria Spicata.) A very rank-growing grass, attaining a height of six or more feet. Popular in the South as a fodder plant, but as yet little used in the North, although it has for many years been offered under various names. Whether it would be of value for ensilage we are not aware. Lb. 12c., 10 lbs. $1.00.

CLOVERS.

Medium Red. (Trifolium Pratense.) This well-known plant, one of the most valuable, especially in the eastern states, needs no description. It is sufficient to say that its great value either for soiling, hay pasturing or for turning under for green manure, and the improved condition of the land on which it has been grown, gives it its deserved popularity. Lb. 10c., 100 lbs. $15.00.

Mammoth or Pea Vine. (Trifolium Pratense var.) A variety of the preceding, growing taller and lasting longer. Very valuable for plowing in. Lb. 17c., 100 lbs. $16.00.

Alsike or Swedish. (Trifolium Hybridum.) A very hardy variety, succeeding best in stiff, cold soils, and in those too wet for the other species. It is continually growing in popularity and should enter into all pasture mixtures for moist or wet lands. Lb. 16c., 100 lbs. $15.00.

White Clover. (Trifolium Repens.) This thrives in nearly all soils and situations, withstanding extremes of heat and cold, dryness and humidity. It is of low growth and spreads rapidly, the stems creeping and rooting at the joints. It well bears trampling and is valuable for both pasture and lawn mixtures. Lb. 25c.

Crimson Clover. (Trifolium Incarnatum.) An annual which has been largely grown in the south for plowing under, and to some extent in the north for the same purpose. In the north, treated as an annual for soiling and perhaps for hay, sown in the spring either alone or with Italian Rye Grass it no doubt is of great value, but in this section and as far as we can learn all attempts to winter it north of New Jersey have largely resulted in failure. 20 lbs. per acre. Lb. 8c., 100 lbs. $7.50.

Alfalfa or Lucern. (Medicago Sativa.) There having been more or less contention among those seemingly fitted to be authorities on the subject as to whether Alfalfa can be profitably grown in the northern and eastern states, we are somewhat in doubt as to the advisability of recommending it for this section. We, however, quote from a Farmers' Bulletin (No. 31. Alfalfa or Lucern) issued by the Department of Agriculture at Washington, D. C., whose opportunity for general observation certainly is not exceeded by any others. "Alfalfa has been grown with more or less success in every State and Territory in the Union, from Maine to Washington and from California to Florida. There is not a State from which the report has not gone out that Alfalfa will, when properly treated, become one of the best fodder plants. It is the best hay and soiling crop in the West. In the South it has been widely recommended as a very valuable addition to the list of forage grasses and clovers. In the Middle and Eastern States it promises to become a rival of the better known and more widely grown Red Clover." Its roots often reach the depth of 10 to 15 feet. It, therefore, requires a deep, rich, well-drained soil, and on such is capable of resisting long droughts. It should be sown alone (15 to 25 lbs. per acre) and cut as it begins to bloom. Height, 1 to 3 feet. Lb. 18c., 100 lbs. $17.00.

MIXTURES OF GRASS SEEDS. FOR MEADOWS, PASTURES AND LAWNS.

Our Regular Mixture for Permanent Mowing for Average Soil.

In view of what we have previously said concerning a combination of several grasses we would say further that it seems to us to be beyond dispute that a thicker growth, therefore larger yield, may be obtained by sowing a mixture of many varieties than by the use of one or a few. Many of the grasses of fine growth are rich in nutritive quality and of heavy bottom growth, but their scanty top growth makes them unsuitable for sowing alone. Combined, however, with those of coarser and taller growth, they fill the interstices, restraining the rank growth of the latter, making them thereby more tender and greatly increase the total yield, the whole producing not only a larger yield and much heavier aftermath at once, but if properly combined for many years. This mixture was devised after careful study of the various authorities, assisted by the experience of those engaged in grass farming. It is designed for the average soil (neither unusually wet nor dry). We advise a minimum sowing (which may sometimes be profitably increased) of 40 pounds per acre. This includes 6 pounds of Mixed Clovers which, from their greater weight, should be sown separately, and in this latitude in the spring or not later than August. As these are always included (but in separate package) no reference need be made to them unless it be in the fall, when, if not desired, it should be so stated, otherwise they will then as usual be sent. Lb. 14c., 100 lbs. $13.00.

Our Special Mixture for Permanent Mowing for Dry Soils.

This is prepared from varieties which are especially adapted to high and dry soils and, while probably it will not prove as productive as the preceding would if sown on good average soil, it will, we feel sure, prove greatly superior in results to those obtained from the use of the few generally sown, which are not only inadequate but also unsuited to the purpose. 40 pounds per acre, including 4 pounds of Mixed Clovers. Lb. 14c., 100 lbs. $13.50.

Our Special Mixture for Permanent Mowing for Wet Soils.

This, like the preceding, is a special mixture, but designed for soils of an opposite nature. If sown on land not too wet, that is, not swampy (it is of course understood there is a limit both as to wetness and dryness as to where grasses will thrive), this will produce large crops of excellent hay for many years. 40 lbs. per acre, including 3 lbs. of Mixed Clovers. Lb. 14c., 100 lbs. $13.50.

MIXTURES OF GRASS SEEDS—CONTINUED.

Our Regular Mixture for Permanent Pastures.

As fully important is it, and perhaps more, when laying down a pasture, that it be properly seeded, as the meadow, and more often is it desired to have it permanent. We have before referred to the different characteristics of the different grasses, which also are shown in the descriptions. We again call attention to some of them. Some grasses start early in the spring, some much later, others in the intervening time. Some of these are at their best early in the season, others at midsummer, while others continue to grow until the ground freezes. Some bear trampling without serious if any injury, while others do not seem to be at all injured by close and constant cropping. It would seem obvious then, that if a number of these grasses having these different characteristics were combined that a pasture might be established from which early and continuous feed might reasonably be expected, and also that if the right ones were selected a permanent production might also be secured. This mixture was, therefore, devised to secure just these desirable results—continual feed from early to late in the season and permanence. It is designed for the average soil. We advise a minimum sowing of 40 pounds per acre, which includes 6 pounds of Mixed Clovers, and which for reasons previously stated (see Regular Mixture for Mowing) are put up in separate package. Lb. 14c., 100 lbs. $13.00.

Our Special Mixture for Permanent Pastures for Wet Soils.

This, like our Special Mowing Mixture for Dry Soils, is composed of varieties especially adapted to such soils, and with this as with all others our object has been to make a mixture not only continuously productive for the season but for as many years as possible. 40 pounds per acre, including 4 pounds of Mixed Clovers. Lb. 14c., 100 lbs. $13.50.

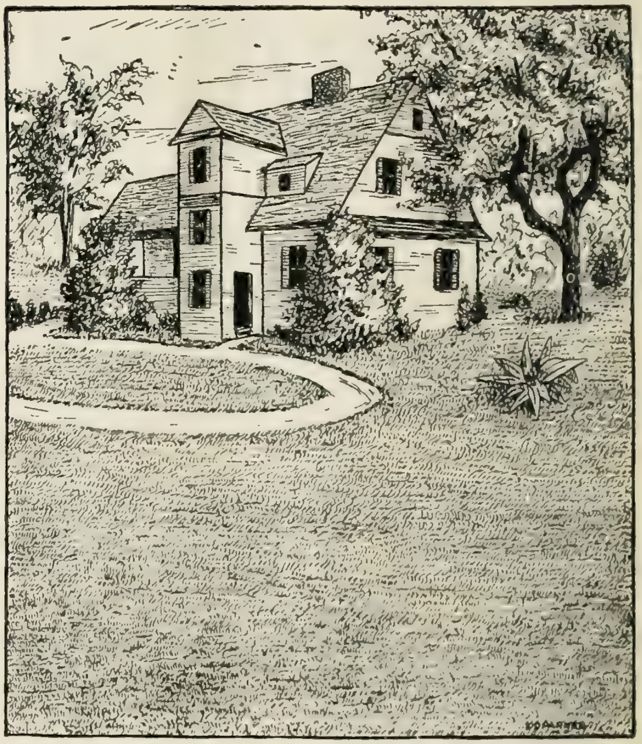
Our Special Mixture for Permanent Pastures for Dry Soils.

This, while containing some of the grasses which are in our Regular Mixture (in different proportions, however), also contains others which thrive on wet or very moist land. For this we claim the same probably superior results to those obtained by the present custom of using but two or three varieties. 40 pounds per acre, including 3 pounds of Mixed Clovers. Lb. 14c., 100 lbs. $13.50.

THE WORCESTER Lawn Grass.

— THE BEST. —

Probably above all Mixtures of grass seeds that for the lawn is one that is desired to be permanent in its results. Other considerations are, that not only shall the effect be permanent but it is also desirable that it shall be secured as soon as possible; therefore the mixture should contain some varieties which are of early and rapid growth. It is obvious that all the grasses should be of fine, soft growth, and also that they must be capable of bearing constant trampling and frequent cutting. Simply stated, the WORCESTER LAWN GRASS MIXTURE is a combination of such varieties as years of experience and observation have shown us are those best suited to meet the requirements. In this selection of varieties we have those that grow and thrive at different times of the year—insuring *early and constant verdure through the season*, those that are remarkable for their enduring and tenacious qualities—insuring *a degree of safety through severe drought*, those that not only bear constant trampling and frequent cutting *but which actually improve by it*, and those which are long-lived or perennial—insuring *permanency*. This mixture is designed for the average soil and on such soil, properly prepared and enriched, will produce a fine, velvety growth the first season, and for years if properly treated. It contains nothing but extra clean or recleaned seeds, is as free from weed seeds as it is possible to make it with improved machinery, and is exactly what we claim—*the BEST that can be made.* We offer this only by weight, and at the price per pound it is actually much cheaper than that offered by many dealers at the same price per quart. This should be sown at the rate of 75 to 85 lbs. per acre. A 1 lb. pkg. will therefore be required for about 500 square feet. 1 lb. pkg. 25c.; 4½ lb. pkg. $1.00; 10 lbs. or over in bulk, 20c. per lb.



THE PARK LAWN GRASS.

GOOD. There being some demand for a cheaper mixture than the preceding suitable for large areas, parks, etc., as well as for smaller plots like the back door yard, we offer this mixture. We claim for this an equality with much that is sold and generally at much higher prices than our price for this. While of course not equal to the preceding, it is by no means a poor or worthless mixture. Simply stated, this is *good;* the Worcester BETTER. In making this mixture we have as far as possible, that is considering the price, conformed to the ideas previously expressed as to what grasses should enter into a mixture for the lawn. Although opposed to the term quart and bushel because they are indefinite when applied to grass seeds, proven by the fact that all dealers have to determine the bushel by weight, we feel, however, to meet competition, compelled to conform to the custom to some extent, and so offer this mixture by the quart, etc. Sow from 3½ to 4 bushels per acre. A quart package is sufficient for about 300 square feet. 1 qt. pkg. 15c.; 4 qt. pkg. 50c.; bush., of 20 lbs., $2.50.

Special Lawn Mixture for Shady Places.

It certainly is displeasing, to say the least, when the larger part of the lawn presents an attractive appearance that its effect should be marred by bare, unsightly spots under the trees. This may, however, to an extent be obviated by sowing grasses which thrive in the shade. This mixture is composed of such varieties and which do not to any extent enter into the ordinary or regular mixtures. We would mention that where the shade is very dense it often happens that the soil is sour, and if moss has covered the ground it is a sure indication that this is the case. If so, the moss should be removed, the soil thoroughly worked over and enriched, and an application of slaked lime made at the rate of one bushel to the thousand feet. Per lb. 35c.; 4 lbs. $1.25; 10 lbs. or over, 30c. per lb.

Ross Brother's Reliable Flower Seeds.

POSTAGE PREPAID ON ALL FLOWER SEEDS BY THE PACKET, OUNCE OR QUARTER-POUND AT PRICES QUOTED.

ORDER BY NUMBER AS WELL AS NAME.

ABRONIA.

1—**Umbellata.** A beautiful little trailer suitable for vases, rock-work, etc. Flowers fragrant, rosy pink, borne in large trusses. Half hardy annual; ¾ ft........................5c.

ACROCLINIUM ❧ Everlasting Flower.

A free-flowering plant, suitable for garden culture. Flowers when dry are largely used for winter bouquets. Half hardy annual; 1 ft.

2—Double, mixed colors...................................5c.

ADLUMIA ❧ Mountain Fringe—Allegheny Vine.

3—**Cirrhosa.** A beautiful climber with graceful, feathery foliage, bearing freely all summer small rose colored flowers. Hardy biennial; 15 ft.................................5c.

ADONIS ❧ Pheasant's Eye—Flos Adonis.

4—**Autumnalis.** A free-flowering garden plant with finely cut dark green foliage, bearing blood-red flowers. A popular and desirable plant, remaining in bloom for a long time; of easy culture. Hardy annual; 1 ft.........................5c.

AGERATUM

Favorite annual plants, profuse and continual bloomers, growing from six inches to two feet in height. The tall varieties are very suitable for planting in clumps or masses, producing a striking effect and furnishing an abundance of cut flowers. The dwarf varieties are very desirable for edgings, and both make excellent pot plants.

5—**Mexicanum.** Lavender blue; 2 ft......................5c.
6—**Album.** White; 2 ft....................................5c.
7—**Little Dorrit.** Azure blue, very compact; ½ ft..........5c.
8—**Imperial Dwarf.** White; ¾ ft..........................5c.
9—Mixed Colors...5c.

AGROSTEMA.

Pretty, free-blooming plant, useful both for cutting and bedding.

10—**Cœli-rosa** (Rose of Heaven) rose, white center. Hardy annual; 1 ft..5c.

AQUILEGIA ❧ (Columbine).

Hardy herbaceous perennials, deserving a place in every collection of perennials. Flowers curiously and gracefully formed and beautifully colored; of easy culture; 1½ to 3 ft.

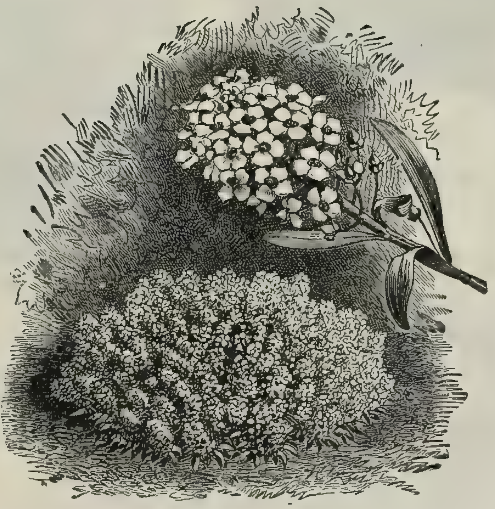
11—Mixed Colors..5c.

ASPERULA ❧ Sweet Woodruff.

12—**Odorata.** A free-blooming plant, bearing fragrant blue flowers which remain a long time in bloom. Hardy annual; 1 ft...5c.

ALYSSUM

A well known favorite hardy annual, blooming profusely the entire . . season. . . . . .



Sweet Alyssum.

13—**Sweet Alyssum.** Fragrant white; 1 ft. Oz. 25c., ½ oz. 15c......5c.

14—**Little Gem.** Dwarf, growing but a few inches high, of spreading or trailing habit, forming compact masses of bloom often a foot or more in diameter; very useful for edgings. Oz. 40c., ½ oz. 25c....5c.

AMARANTHUS.

Ornamental foliage and flowering plants, very showy and interesting, of rapid growth and easy culture; color of foliage will be better if planted on rather poor soil; half hardy annuals.

15—**Caudatus.** (Love-lies-bleeding.) Long, drooping flower, spikes dark red...5c.

16—**Tricolor.** (Joseph's Coat. Red, yellow and green foliage, 3 ft...5c.

17—**Salicifolius.** (Fountain Plant.) Graceful, drooping leaves, varying from green to bronze, banded and tipped with carmine...5c.

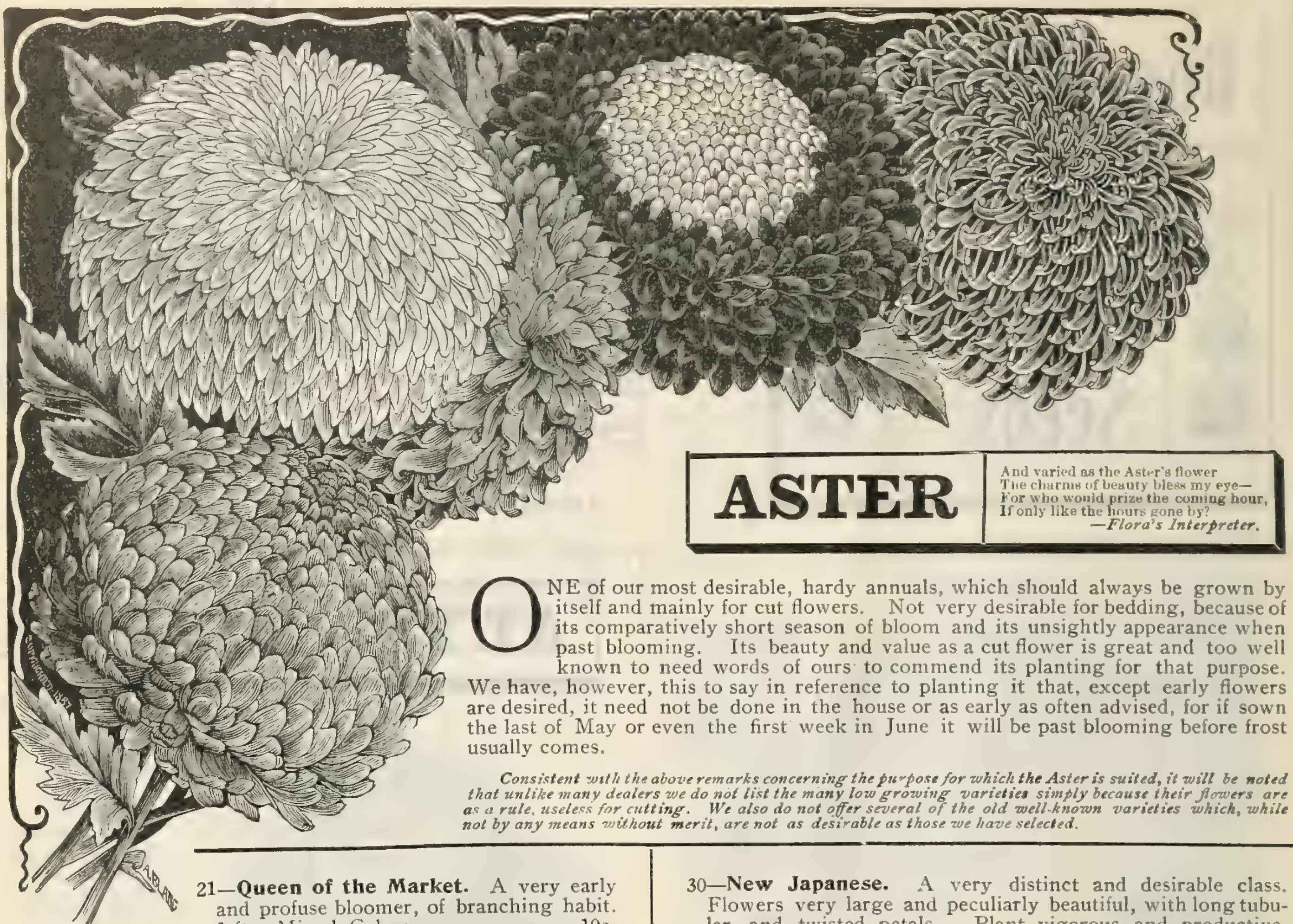
18—**Mixed Varieties,** including above and others.........5c.

ANTIRRHINUM ❧ Snap Dragon.

Well known favorite border plants, half hardy perennials, flowering first year from seed sown in spring.

19—**Tall Varieties.** Mixed Colors ; 2 ft..................5c.

20—**Dwarf or Tom Thumb Varieties.** Mixed Colors....5c.



ASTER

And varied as the Aster's flower
The charms of beauty bless my eye—
For who would prize the coming hour,
If only like the hours gone by?
—*Flora's Interpreter.*

ONE of our most desirable, hardy annuals, which should always be grown by itself and mainly for cut flowers. Not very desirable for bedding, because of its comparatively short season of bloom and its unsightly appearance when past blooming. Its beauty and value as a cut flower is great and too well known to need words of ours to commend its planting for that purpose. We have, however, this to say in reference to planting it that, except early flowers are desired, it need not be done in the house or as early as often advised, for if sown the last of May or even the first week in June it will be past blooming before frost usually comes.

Consistent with the above remarks concerning the purpose for which the Aster is suited, it will be noted that unlike many dealers we do not list the many low growing varieties simply because their flowers are as a rule, useless for cutting. We also do not offer several of the old well-known varieties which, while not by any means without merit, are not as desirable as those we have selected.

21—**Queen of the Market.** A very early and profuse bloomer, of branching habit. 1 ft. Mixed Colors................10c.

22—**Queen of the Earliest.** Resembles the preceding but is considerably earlier. Flowers white only, borne in profusion on long stems. 14 inches..........................10c.

23—**Truffauts Peony Flowered Perfection.** An old, but still popular variety. Plant large but of compact form. Flowers large with incurved petals; very double and of beautiful form. An abundant bloomer. 1½ ft. Mixed Colors..........10c.

24—**Lady in White.** A variety especially desirable for its freedom of blooming and distinct in its foliage. Plant of branching habit, bearing on slender stems semi-globular pure white flowers. From forty to sixty buds are borne on each plant which, developing gradually, prolong the season of bloom..10c.

25—**Jewel or Ball.** A fine new type. Plant, dwarf, but bears freely, on long stems, flowers which are of good size and perfectly round. Mixed Colors...................10c.

26—**Daybreak.** A beautiful Aster. Plant of bushy, branching habit, bearing on long, stiff, upright stems, large double flowers with incurved petals, very regularly placed. Color, a lovely shell-pink; as a cut-flower, not excelled by any other variety...10c.

Giant Branching Comet. A distinct and very valuable class. Flowers resemble the Japanese Chrysanthemum, and differ from those of the older Comet class in that they are not only larger but petals are broader and longer, flower-stems long. Plant of vigorous, luxuriant growth, 1½ ft.
27—Giant White..................................10c.
28—Giant Rose...................................10c.
29—Mixed Colors.................................10c.

30—**New Japanese.** A very distinct and desirable class. Flowers very large and peculiarly beautiful, with long tubular and twisted petals. Plant vigorous and productive. Mixed Colors...10c.

Semple's Branching. Of very branching habit and a strong grower; flowers large, often four inches in diameter. Valuable for cutting on account of their long stems; very double, beautiful colors. One of the best late flowering varieties, 1½ to 2 ft.
31—Rose...10c.
32—White..10c.
33—Mixed Colors.....................................10c.

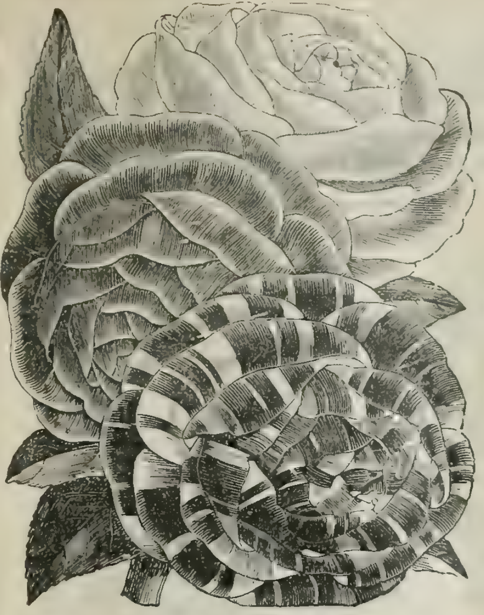
Victoria. One of the most popular varieties. Flowers large, full and double with reflexed petals. Plant large and vigorous and a free bloomer; colors varied and beautiful.
34—White..10c.
35—Scarlet..10c.
36—Blue...10c.
37—Mixed Colors.....................................10c.

38—**Betteridge's Quilled.** Flowers composed of tube or quill-shaped petals. This is an improved strain, with large, double flowers, and of beautiful colors, 2 ft.
Mixed Colors...5c.

38½—**Prince of Wales.** Plant of free branching habit, bearing on long stems large flowers of a deep crimson red. It is a very early bloomer, a fitting companion to the *Queen of the Earliest*, the color of its flowers making a pleasing contrast to the pure white of that variety..................10c.

39—**Our Worcester Mixture.** Our own mixture of above varieties, carefully mixed, enabling any to secure a choice collection at slight outlay..............................10c.

40—**Good Mixed.** Many varieties.......................5c.



Improved Double Balsams.

BALSAM ☘ LADY SLIPPER TOUCH-ME-NOT

An old favorite garden flower which has been greatly improved in recent years. With favorable conditions and proper treatment but few single flowers are produced. The Camellia flowered varieties are especially fine, and if planted on rich soil and given sufficient room (about two feet apart each way) will produce a great profusion of flowers, nearly all of which will be as double as their name implies. The rose-flowered, also, are strikingly beautiful with their large, perfectly double, rose-like blossoms and great variety of shades and colors. Hardy annual; 1½ to 2 ft.

41—**Double Camellia Flowered.** Mixed colors.........................10c.
42—**Double Rose Flowered.** Mixed colors.........................10c.
43—**Double Pure White**..........10c.
44—**Double Dark Red**............10c.
45—**Good Mixed**.................. 5c.

BACHELOR'S BUTTON ☘ Blue Bottle; or, Corn Flower.

(Centaurea Cyanus.)

A well known and very popular plant, blooming early and continuously until autumn if flowers are not allowed to go to seed. White, blue and pink. Hardy annual; 2 to 3 ft.

46—Single and Double Mixed, Mixed Colors..................................5c.

BALLOON VINE ☘ Love in a Puff.

(Cardiospermum Halicacabum.)

47—A tender annual climber of rapid growth, bearing small white flowers, followed by curious inflated seed vessels, somewhat resembling a balloon; 10 to 15 ft.........5c

BRACHYCOME ☘ Swan River Daisy.

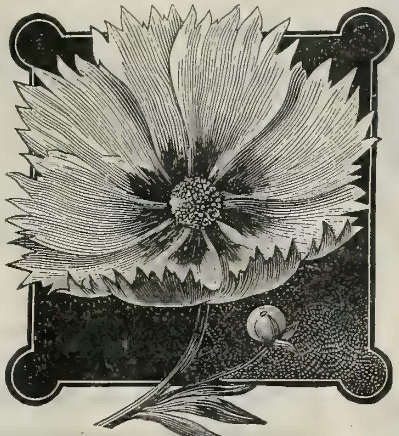
A free flowering plant of dwarf compact growth, bearing in great profusion beautiful single blue or white flowers. Effective as edgings or in beds, and suitable for rustic baskets or pot culture. Half hardy annual.

48—Mixed Colors.......................5c.

BROWALLIA ☘ Amethyst.

Strikingly beautiful plants and profuse bloomers, succeeding best when started in the house or hot-bed, but can be sown in the open ground. When successfully grown the plants are completely studded with the rich, beautiful blue and white flowers. Half hardy annual.

49—**Roezii.** Blue and white mixed....10c.
50—**Elata.** Mixed.....................5c.



Calliopsis Golden Wave.

CALLIOPSIS

For Perennial Varieties See Coreopsis.

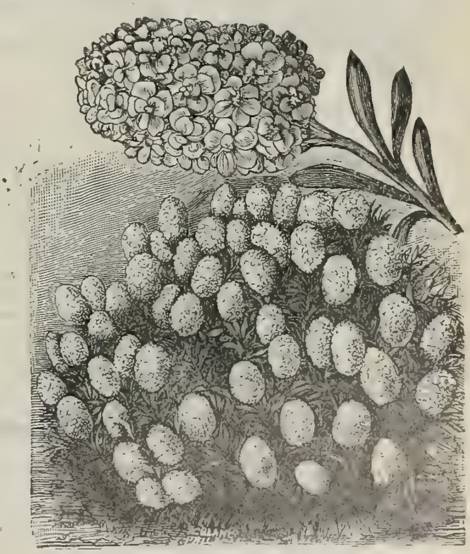
One of the most graceful and satisfactory hardy annuals, profuse and continuous bloomer, sometimes called "Bright Eyes." Flowers brilliant yellow, orange, crimson, red and brown, spotted or margined with different shades, and having long stems are excellent for cutting.

51—Choice Varieties Mixed, 2 ft..5c.
52—**Golden Wave.** (Drummondi.) Plant distinct from above sorts, of bushy, compact and dwarf habit. Flowers large, often 2 inches across; beautiful golden yellow with small dark center..5c.

CALENDULA ☘ Pot Marigold.

A free and continuous blooming plant of dwarf, bushy habit; of the easiest culture, growing freely in nearly all soils. Desirable both for garden decoration and pot culture. Hardy annual; 1 ft...5c.

53—**Meteor.** Light yellow, striped with deep orange; very popular...........5c.
54—**Prince of Orange.** Bright orange, striped with light yellow............5c.
55—**Trianon, the Royal Marigold.** Very large, sulphur-yellow, striped with deep, rich brown..........................5c.
56—**Pongei.** White Marigold.........5c.

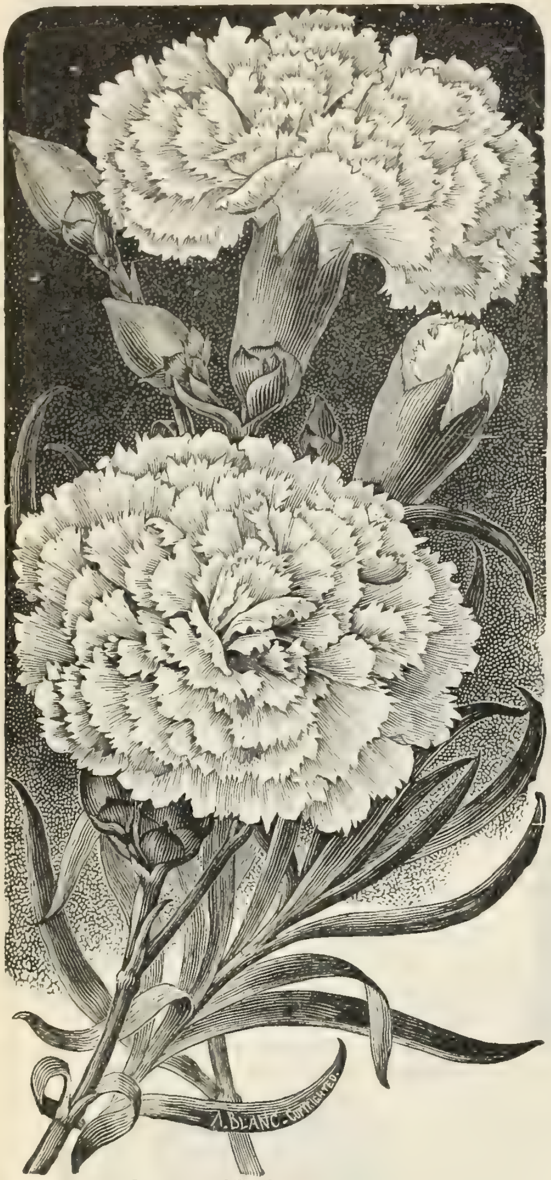


Candytuft—White Fragrant.

CANDYTUFT ☘ IBERIS

Well known, popular hardy annual, of easiest culture; useful for bedding, edgings or for cutting.

57—**White Rocket.** (Empress.) Large trusses, 1 ft. ½ oz. 15c., oz. 25c...5c.
58—**White Fragrant.** 1 ft. ¼ oz. 15c., oz. 25c............5c.
59—**Tom Thumb.** Very dwarf, mixed colors............5c.
60—**New Carmine.** A distinct shade...................5c.
61—Fine Mixed. ¼ oz. 15c., oz. 25c......................5c.
62—**Semper virens.** (Perennial.) A hardy dwarf, early flowering plant, well adapted for rockeries, etc., or for front rows of perennial borders; about ten inches high................5c.


A. BLANC. COPYRIGHTED.

GIANTS OF CALIFORNIA.

CARNATION

A beautiful, well-known and extremely popular flower; half hardy perennial; the Marguerite class, however, flowering the first year from seed and in a comparatively short time.

63—**Choice Double Mixed**......................................10c.

Marguerite. One of the greatest acquisitions to the flowers which the amateur can conveniently grow, enabling all lovers of this beautiful flower to secure very satisfactory and immediate results without the usual care and time necessary to succeed with the Carnation of the older types. Flowers may be had from August until severe frost comes from seed sown in the spring, which have the characteristic form and fragrance of the Carnation proper, borne in greater profusion and on plants of more bushy and vigorous growth. Too much could not be said in praise of this, nor could it be too highly commended for the amateur's use.

64—**Choicest Mixed.** Complete assortment of colors....................10c.

MARGUERITE CARNATIONS ❧ Giants of California.

An improved, extra large flowered strain from California, of vigorous, robust habit but having the same dwarf compact form of above, blooming also as early and producing larger flowers, many of which are as *fine and more freely produced than those grown by florists in the greenhouse.* A very shy seeder.

65—**Mixed Colors.** Small pkt..15c.

HARDY GARDEN CARNATIONS ❧ For Open Ground.

Plants of low, bushy, tufted form, producing on long stems the beautiful fringed flowers with their delightful clove fragrance, known as "Clove Pinks," so highly valued in the "old fashioned garden" and which merit a place in the perennial bed and border of today.

66—**Plumarius Double Mixed.** Double fringed, fragrant flower, white, crimson or purple shades, beautifully shaded and spotted...............10c.

67—**Plumarius Single Mixed**..5c.

CASTOR BEAN Ricinus

Well known tender annuals; tall, stately, majestic plants of very rapid growth. with palm-like leaves of glossy green, brown or bronze hue; very effective for lawns, planted singly or in groups; 6 to 15 ft;

68—**Borboniensis.** Large showy foliage of purplish hue; 15 ft. ½ oz. 12c., oz. 20c......................................5c.

69—**Cambodgensis.** Stalks and stems nearly black, leaves large, of a deep bronzy maroon; 6 ft. ½ oz. 15c, oz. 25c..5c.

70—**Sanguineus.** (Tricolor.) Stalks blood-red, foliage reddish bronze with scarlet seed pods; 6 ft. ½ oz. 12c., oz. 20c...5c.

71—**Zanzibarensis.** A comparatively new class, with gigantic leaves ranging in color from light green to bronzy maroon; 10 to 15 ft. Mixed varieties. ½ oz. 12c., oz. 20c.........5c.

72—**All Varieties Mixed.** ½ oz. 10c., oz. 15c............5c.

ANNUAL CHRYSANTHEMUMS

FRENCH MARGUERITES OR PAINTED DAISIES.

Free-flowering plants of branching habit, with rich, finely cut and very ornamental dark green foliage, bearing on long stems daisy-like flowers of bright and varied colorings. These colorings on the single varieties are usually in distinct rings and look on the flat petals as though they were painted on. The double varieties withstand the heat of summer, blooming more freely than the single, the latter requiring cooler weather to bloom freely but are much more beautiful than the double. Both grow freely from seed, are of easy culture, very desirable for cutting, and are effective bedding plants. They should be given plenty of room, from two to two and one-half feet, and will bloom more freely on soil of medium fertility. 1 to 1½ ft.

73—**The Sultan.** (Atro-Coccineum.) Large velvety single flowers, crimson maroon with golden ring...............5c.

74—**Eclipse.** Large single flowers, golden yellow with scarlet ring and brown disc....................................5c.

75—**Single Mixed.** All colors..........................5c.

76—**Corinarium Double Mixed**........................ 5c.

CANTERBURY BELL

CAMPANULA MEDIA.

To me there's a tone from the Blue-bell flower
With her blossoms so fresh when the storm is o'er,
As she thanked the sun for his beams the while,—
That flower has taught me to repay
The friends who have cheered my stormy day,
With a grateful bow and a sunny smile.
—Flora's Interpretor.

Beautiful hardy biennial plant, of easy culture, a profuse bloomer, succeeding best in a light, rich soil; bearing flowers of rich and exquisite colorings. Like most biennials, it can be sown after mid-summer where it is to remain, or in the spring for transplanting. Plants should stand about two feet apart. 2½ ft.

77—**Double.** Mixed colors..............................5c.

78—**Single.** Mixed colors..............................5c.

CUP AND SAUCER CANTERBURY BELL.

(Companula Calycanthema.)

Flowers of this class are of peculiar form and strikingly beautiful, that part resembling a cup is about three inches in length or depth and the saucer from three to four inches in diameter. This plant is a very free bloomer, often bearing during its season of several weeks in early summer a hundred or more of its exquisite blossoms, and is, when in full bloom, a pyramid of beauty.

79—**Mixed Colors**..............................5c.

CANARY BIRD FLOWER ☙ Tropaeolum Peregrinum.

80—A favorite half hardy annual climber of rapid growth, bearing curiously formed yellow flowers having a fancied resemblance to a canary bird; blooms from July until frost; 10 to 15 ft..............................5c.

CLARKIA.

Favorite hardy annuals, bearing beautiful, delicate, rose-colored, purple and white flowers; profuse bloomers; of easiest culture; 1½ ft.

81—**Mixed Colors**..............................5c.

COBEA.

82—**Scandens.** A rapid growing perennial climber, flowering the first year from seed, bearing flowers which are at first green, changing soon to deep violet or purple. It should not be sown in open ground until soil has become quite warm, and will germinate most readily if seed is pushed into soil edgewise and barely covered; 20 to 30 ft..............10c.

COCKSCOMB ☙ Celosia Cristata.

Popular annuals, producing flowers which somewhat resemble a cock's comb; of various colors, rose or crimson the most striking; of easy culture.

83—**Glasgow Prize.** Immense crimson combs; 1 ft.......5c.

84—**Mixed Colors**..............................5c.

COCKSCOMB FEATHERED ☙ Celosia Plumosa.

Of branching habit, producing large, graceful, plume-like flowers; beautiful and effective; 2 to 3 ft.

85—**Ostrich Plume.** Crimson..............................5c.

86—**Ostrich Plume.** Golden..............................5c.

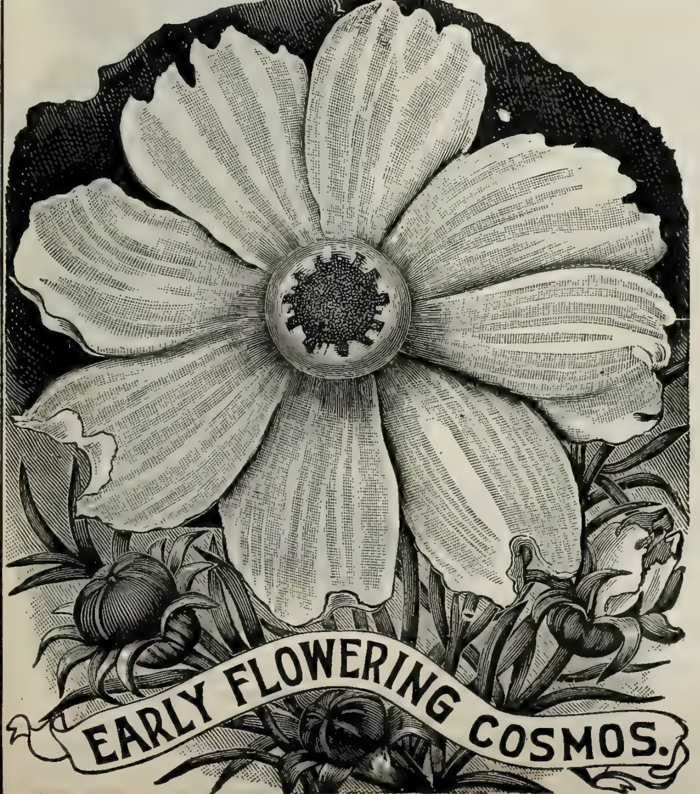
87—**Mixed Colors.** Crimson, orange, yellow, rose, etc....5c.

Columbine. (See Aquilegia.)

Convolvulus. (See Morning Glory.)

COREOPSIS ☙ For Annual Varieties See Calliopsis.

88—**Lanceolata.** A beautiful hardy perennial, flowering the first year from seed sown early; forming large clumps, growing from two three feet high, bearing on long stems large rich, yellow flowers in great profusion; very desirable for cutting; of the easiest culture, growing anywhere, and should be in every flower garden..............................5c.


EARLY FLOWERING COSMOS.

COSMOS

A rapid growing, graceful plant, with beautiful feathery foliage, bearing flowers which resemble the Single Dahlia; a very hardy annual of strong, vigorous habit, growing about five feet high in ordinary soil, and often eight feet in very rich. It is seldom given room enough; plants should stand not closer than two and one-half feet apart, and in rich soil a greater distance. The Cosmos makes a most desirable background for many other plants, its beautiful, finely cut foliage alone making it well worth the growing for this purpose; its value, however, is greatly increased by its lovely flowers, white, pink, crimson or rosy purple, borne in great profusion on long stems, rising above the foliage in an especially graceful manner, equally graceful in appearance when arranged in a vase with sufficient foliage; for this purpose but few other flowers are as desirable and none can be had so late in the season, as, owing to the great hardiness of the plant, it bears fine flowers even after the first light frosts have come.

89—**Mammoth Perfection.** Flowers of mammoth size, rather late in flowering and, as the plant is quite hardy, seed should be planted as early as possible and will then, in most seasons, produce a profusion of flowers before frost..............................5c

90—**New Early Flowering.** This, while flowers are not as large as those of the Mammoth, is growing in favor because of its earliness. If seed is sown in open ground in early spring, plants will begin to bloom the last of July and continue until November, making it, therefore, especially desirable in northern latitudes..............................5c.

CYPRESS VINE ❧ Ipomoea Quamoclit.

A very popular climber, with delicate, feathery foliage, bearing small, star-shaped rose, scarlet and white flowers, presenting a very pleasing contrast with the beautiful dark-green foliage. Tender annual; 12 to 15 ft.

91—**Mixed Colors**......................................5c.

DAISY ❧ Bellis Perennis.

A hardy perennial plant, of dwarf, compact growth, blooming freely during the cool months of spring and fall; flowers very double, about one inch in diameter, borne singly on a stem about five inches high. A beautiful little plant well adapted for edgings, and should be more generally cultivated. It bears transplanting well, even when in flower, and thrives best on richly manured soil and in a cool, partially shaded location.

92—**Mixed Colors**......................................10c.

Dianthus. (See Pink.)

Digitalis. (See Foxglove.)

DATURA.

93—Strong, vigorous plants, of branching habit, bearing large trumpet-shaped flowers six to eight inches long and very fragrant. Tender annuals; 3 ft. **Finest Mixed**........5c.

DUTCHMAN'S PIPE ❧ Aristolochia Sipho.

94—A beautiful, rapid growing climber, bearing curiously formed, purplish brown flowers, thought to resemble in shape a pipe. Hardy perennial; 15 to 30 ft.............15c.

ESCHSCHOLTZIA ❧ California Poppy.

Very showy hardy annual, with beautiful, delicately cut foliage, bearing bright yellow and scarlet flowers; one of our most attractive annual plants, blooming early and continuously. Succeeds best in light, rich soil, and should be sown where designed to grow, as it does not bear transplanting; 1 ft.

95—**Mixed Colors**......................................5c.

96—**Douglasii.** Plant very dwarf and compact, only six inches high; blooms very early, profusely, and when quite small; flowers small, clear lemon-yellow. Excellent for bedding or edgings......................................5c.

97—**Mandarin.** Bright scarlet, interior orange......................................5c.

EUPHORBIA VARIEGATA ❧ Snow-on-the-Mountain.

98—A showy, hardy annual plant, grown for its striking foliage. Leaves, dark green, veined and margined with white. Very effective in the garden or on the lawn......5c.

EUPHORBIA HETEROPHYLLA ❧ Mexican Fire Plant, or Annual Poinsetta.

99—This is somewhat similar to the brilliant Poinsetta, grown in pots in the greenhouse during winter and which is a very popular decorative plant. This, however, can be easily grown from seed in the open ground, which should be sown when trees are starting into leaf. It produces large bracts of fiery scarlet which, in contrast with the dark green foliage, make a striking and effective appearance......................................10c.

FORGET-ME-NOT ❧ Myosotis.

An old, well-known and favorite garden plant; hardy perennial, flowering the first year from seed sown early in the spring, succeeding best in cool, moist soil and thriving well in partial shade.

100—**Alpestris.** Plant dwarf and compact, about six inches in height; flowers star-shaped, blue......................................5c.

101—**Alpestris Alba.** Similar in habit of growth, but the florets are pure white......5c.

FOUR O'CLOCK ❧ Marvel of Peru. (Mirabilis.)

A well-known and favorite plant, bearing freely funnel-shaped white, red and striped flowers, which open about four o'clock in the afternoon and perish before noon the next day; of easy culture, will grow anywhere, but should be given plenty of room—at least three feet each way.

102—**Mixed Colors**......................................5c.

FOXGLOVE ❧ Digitalis.

Favorite perennial plants, of easy culture. Flowers borne on long spikes; 3 to 5 ft.

103—**Mixed Colors**......................................5c.

GALLIARDIA ❧ Blanket Flower.

A very free-flowering class of plants, entirely hardy, blooming the entire summer, of easiest culture and succeeding well in the poorest soils. Flowers brilliant and beautiful, 2 to 3 inches in diameter, borne singly on long stems; exceptionally fine for cutting.

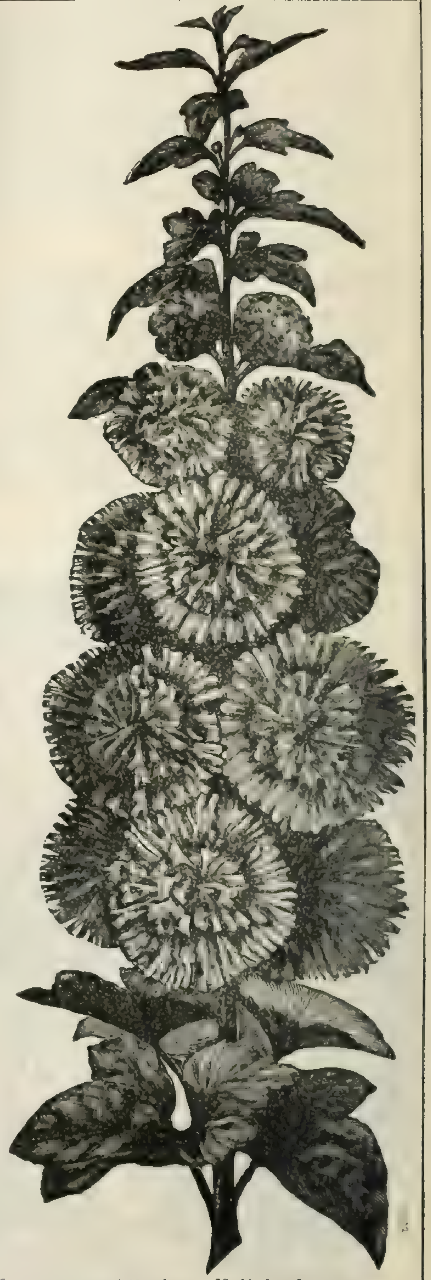
104—**Choice Mixed.** Comprising a wide range of colors in both single and double varieties; hardy annuals, some of which become perennial by protection of the roots in winter. 1 to 2 ft......................................5c.

105—**Picta Lorenziana.** (Double.) Large, round heads composed of many individual florets, richly colored in shades of bronze, brown, maroon, etc., brightly tipped with shades of yellow and creamy white; hardy annual. Mixed colors..................5c.

GODETIA.

Attractive hardy annuals of compact growth, bearing profusely large flowers beautifully colored; fine bedding plants of easy culture; 1 to 1½ ft.

106—**Mixed Colors**......................................5c.



Allegheny Hollyhock.

GOURDS.

Ornamental, tender annual climbers, bearing curiously formed and colored fruit. Of very rapid growth; useful for covering fences, stumps, etc.; 10 to 20 ft. 107—**All Varieties Mixed**......................................5c.

Gypsophila

Delicate, profuse flowering plants of easy culture. Hardy annuals and perennials.

108—**Muralis.** A beautiful little annual plant, with fine, feathery, grayish-blue foliage and very small, pink flowers. Grows only about six inches high, and because of that and the distinctive color of its foliage it is excellent and effective for edgings..5c.

109—**Elegans.** Hardy annual, about one foot in height, sprays well branched and thickly set with small, white flowers..5c.

110—**Paniculata.** (Commonly known as Baby's Breath.) Hardy perennial, bearing white flowers; of more branching habit and sprays are longer stemmed than the preceding; very desirable for combining with other flowers in bouquets or vases, especially Sweet Peas; and in our opinion is the only flower or foliage at all suitable for combining with those delicate, lovely flowers..............................5c.

HELIOTROPE.

A favorite perennial plant, highly prized for its delicious fragrance. We think it is not generally known that it can be had in bloom the first season from seed: but fine flowering plants can be easily grown from seed sown in the house in March. Soil should be light and rich, and young plants kept in a warm, sunny location. Sow seed in shallow boxes and transplant before plants become crowded into small pots. If desired for bedding, wait until nights are warm. Make the soil rich and give it an abundance of water.

111—**Mixed Colors**..5c.

HELICHRYSUM ☘ Or Everlasting Flower.

Free-blooming, hardy annual plant, of easy culture. The flowers are large, full and double, of various colors, white, scarlet, yellow, etc., and are often used when dry for winter bouquets.

112—**Mixed Colors**..5c.

HOLLYHOCK ☘ "Queen Hollyhock, with Butterflies for Crowns."

This well-known plant has always been a great favorite, and is perhaps today more popular than ever. Stately and majestic in its growth, it is especially suited for a background to the perennial border. Although a biennial it becomes perennial by proper treatment, continuing to grow and bloom for several years if the flower spike is cut off as soon as through blooming. Seed may be sown at any time from spring until midsummer and will produce plants which will bloom the following season. The soil should be light, and rich, and well drained.

113—**Chater's Choicest Double Mixed.** This well-known, superb strain will produce a large percentage of double flowers in a wide range of colors, and has, as yet, not been surpassed..10c.

114—**Allegheny.** (New.) The flowers are not as double as those of the older form, but are distinctly beautiful. They differ both in form and in the manner in which they are disposed on the stem; every bud to the top of the plant develops, making the blooming season a long one. They are enormous in size, often six inches in diameter, of silky texture and beautifully fringed and colored........10c.

HYACINTH BEAN ☘ Dolichos Lablab.

115—**Mixed.** A tender annual climbing plant, with purple or white flowers, which are followed by very ornamental seed pods. 10 to 15 ft..........................5c.

ICE PLANT. ☘ (Mesembryanthemum.)

116—A trailing plant, with succulent stems and leaves, which have the appearance of being covered with ice crystals; excellent for hanging baskets and rock work. Tender annual. ¾ ft..5c.

IPOMEA.

Rapid growing, annual climbing vines, with very luxuriant foliage, producing an abundance of showy flowers, white, pink, blue and purple. While both the flowers and foliage closely resemble that of the Morning Glory of most varieties, both are larger, although the flower of one of the following (Coccinea) is smaller and of different form, more nearly resembling that of the Cypress Vine. All should be more generally cultivated. 10 to 20 ft.

117—**Bona Nox.** (Evening Glory.) Beautiful, large, violet-blue flowers, which open in the evening..5c.

118—**Coccinea.** (Star Ipomea.) Plant similar to the Morning Glory; flowers small, star-shaped and produced in great profusion..............................5c.

119—**Grandiflora, Striped-Leaved.** The leaves of this are dark green, mottled with white; the flowers intense ultra-marine blue, edged with sky-blue and shaded with carmine pink in the throat..5c.

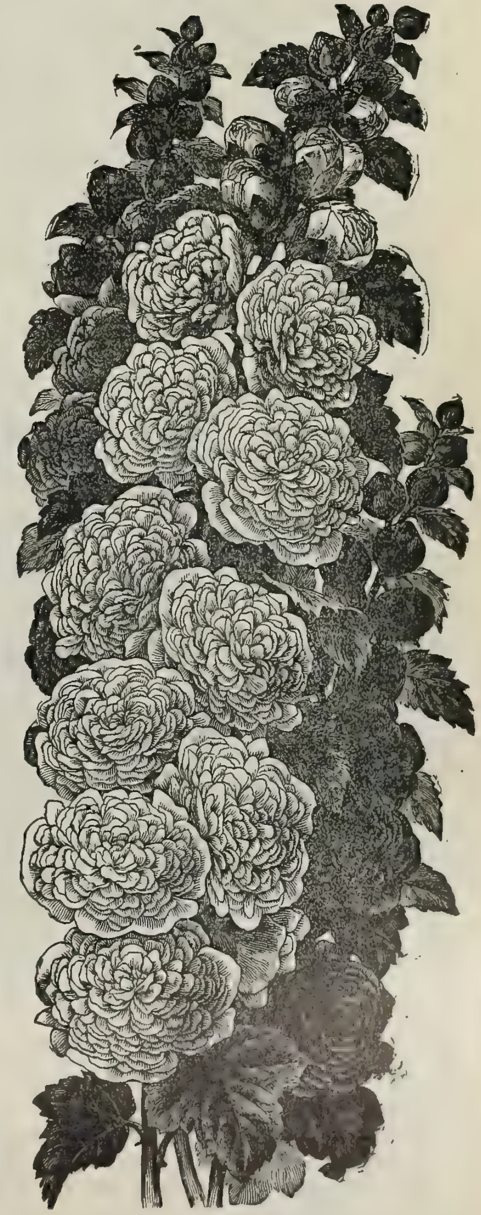
120—**Setosa.** A beautiful variety, of very luxuriant growth. The leaves are from eight to twelve inches across, the under sides being thickly set with small, reddish hairs, as is also the vine. The flowers are about three inches in diameter, produced in clusters, but one or two in each cluster opening at once; of a lovely satiny pink..5c.

121—**Choice Mixed.** Above and other varieties..............................5c.

LANTANA.

Favorite, rapid growing plants, forming small shrubs; profuse and constant bloomers, well adapted for pot culture, and are very effective planted singly in the garden. Tender perennials, flowering first year from seed if sown early; 1 to 3 ft.

122—**Mixed Colors**..5c.



Improved Double Hollyhock.

LARKSPUR
DELPHINIUM

Popular annual, biennial and perennial plants, with finely cut leaves and beautiful flowers, which are either white, scarlet, pink, blue or purple, but never yellow; of easy culture, succeeding best in a location open to the sun.

123—**Double Dwarf Rocket.** Hardy annual; 1 ft.; mixed colors........................5c.

124—**Double Tall Rocket.** Hardy annual; 2½ ft.; mixed colors..5c.

125—**Elatum.** (Bee Larkspur.) Hardy perennial; flowers have curiously folded, hairy petals in the center, giving them a fancied resemblance to a bee. Intense blue, plant five feet high........................5c.

126—**New Compact Blue.** Hardy perennial, flowering freely the first year from seed, if sown early. Rich flowers, large, dark blue. Plant about one foot high, growing a little taller the second year, and blooming even more profusely....................10c.

127—**LAVENDER.** Hardy perennial plant, bearing long spikes of blue flowers; chiefly grown on account of its delicious fragrance, which the plant, when dried, retains for years..............5c.

128—**LINUM.** (Scarlet Flax.) A very showy and beautiful hardy annual, bearing profusely bright, scarlet flowers; 1 ft..........5c.

THE MISSION OF FLOWERS.

Violet, why are your eyes of blue
Wet with tears of the morning dew?
Rosebud, why do you blush and start,
And hide the crystal gem at your heart?
Lily, what are you doing there,
With your bells a-swing in the balmy air?

A light breeze born of the morning hours
Softly stole o'er the banks of flowers;
And, list'ning closely, I seemed to hear,
Chimed in silvery voices clear—

"We are blessing the earth with our wealth of bloom;
We are lading the air with a rare perfume;
All things have their mission, and God gives us ours,
And this is a part of the mission of flowers:
To give life to the weary and hope to the sad,
Fresh faith to the faithless, new joys to the glad;
To cheer the desponding, give strength to the weak;
To bring health's bright bloom to the invalid's cheek;
To blush on the brow of the beautiful bride;
To cheer homes of mourning where sorrows betide;
To rob dreaded Death of a part of his gloom,
By decking the dear one arrayed for the tomb;
To furnish the home with a lasting delight,
With our perfumes so lovely, our blossoms so bright;
To hallow the homestead embellish the lawn,
Reflecting the tints of the roseate dawn.
In low, voiceless language, we're striving to tell
How God, in His wisdom, doth everything well."

—*Dart Fairthorne.*

LOBELIA.

Pretty, graceful, little plants; those of trailing habit being used for hanging pots and rockeries, and those of dwarf, compact habit for edgings and bedding.

129—**Gracilis.** Light blue, slender trailer, half hardy annual; ½ ft..5c.

130—**Crystal Palace, Compacta.** Of dwarf, compact growth, excellent for edgings; blue. Half hardy annual; ½ ft.....5c.

131—**White Gem.** Plant of similar habit to the preceding variety; flowers pure white..................................5c.

132—**Cardinalis.** (Cardinal Flower.) This is a native species, of greatly different habit from the others, growing about two feet high. Though usually found when growing wild in moist places, it succeeds well in the common border and is one of the best perennials for the shady side of the house. Its spikes of intensely brilliant, cardinal red flowers make it one of the most effective plants..........................10c.

LOVE-IN-A-MIST ✱ Nigella Damascena.

A favorite annual, bearing blue and white flowers half hidden by the fine, feathery foliage. Known also as Lady-in-the-Green and Devil-in-the-Bush; 1 ft.

133—**Mixed**..5c.

LUPIN.

Very showy plant, bearing spikes of pea-shaped blossoms of rich and varied colors; a free bloomer and easily grown. Hardy annual; 1½ to 3 ft.

134—**Mixed Colors**....................................5c.

LYCHNIS ✱ London Pride—Burning Star.

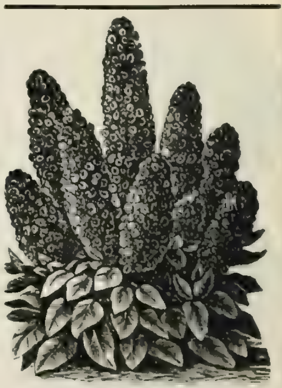
Hardy perennials, some of which will flower the first year from seed, and but few plants produce more brilliant blossoms. The plant blooms freely and continuously, bearing its clusters of scarlet flowers through the entire summer.

135—**Chalcedonica.** (London Pride.) Bright scarlet; 2 ft...5c.

136—**Haageana.** Bright scarlet flowers, larger than those of the preceding. Plant about one foot high and will bloom the first year..10c.

MIGNONETTE
Reseda odorata

A well-known and popular hardy annual, highly prized for its delightful fragrance. While blooming freely at all times, much larger and finer spikes are produced during the cool, moist weather of early spring and late fall. Seed sown in autumn will bloom in early spring, and when sown the last of July will come into flower in a few weeks and continue until cut down by frost.



137—**Sweet Mignonette.** Large flowered; ½ oz. 10c., oz. 15c...5c.

138—**Parson's White.** Nearly white; fragrant..............5c.

139—**Golden Queen.** Flowers golden yellow. Growth dwarf but dense........................5c.

140—**New Quaker City.** Flowers a handsome gold red, rich and fragrant; foliage very dark....5c.

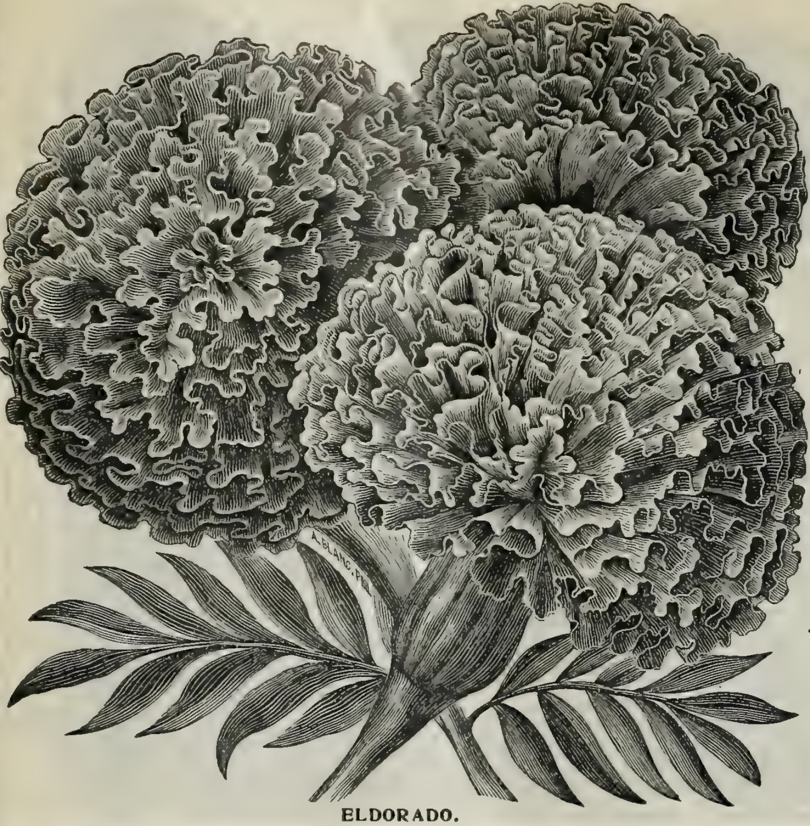
141—**New Giant Flowered Red.** Form pyramidal, quite distinct, very striking and handsome...5c.

142—**Choice Mixed.** Our own mixture of the above and other varieties. ½ oz. 15c., oz. 25c...5c.

DWARF Morning Glory CONVOLVULUS MINOR.

Plant of trailing, branching habit, growing about one foot high and in diameter about two feet, and bearing in great abundance small, bell-shaped flowers similar to the tall varieties. These remain open much later in the day than do those of the tall sorts, often in clear weather till evening. Half hardy annual.

143—**Mixed Colors**...5c.



ELDORADO.

MARIGOLD

> Open afresh your round of starry folds,
> Ye ardent Marigolds!
> Dry up the moisture of your golden lids,
> For great Apollo bids
> That in these days your praises shall be sung
> On many harps, which he has lately strung.
> —KEATS.

Well-known plants, blooming freely and constantly. The African varieties are usually tall, the French more dwarf. Both are great favorites. Hardy annuals. 1 to 3 feet.

144—**African Double.** Mixed....................5c.

145—**African, Eldorado.** Flowers very large and extremely double; quilled like a Dahlia; various shades of yellow and orange. 3 ft...........5c.

146—**French Double.** Mixed....................5c.

147—**French Double Dwarf, Gold Striped.** Golden yellow striped with velvety brown...........5c.

148—**French Legion of Honor.** A beautiful single variety of dwarf and bushy habit, rich golden yellow, with garnet blotch in center of petal. 1 ft...5c.

MOON FLOWER. 148½. A rapid growing climber, often attaining a height of 30 feet in a season. Especially adapted to shading porches, etc. To secure flowers in northern latitudes seed should be started early in the house and then be planted out in rather poor soil, else it will run too much to vine. The thick outer shell of the seed should be cut through or a portion chipped off to assist germination....10c.

Morning Glory ~ Convolvulus Major. . . . .

> Flowers, shrinking from the chilly night,
> Droop and shut up; but with fair morning's touch
> Rise on their stems, all open and upright.
> —MONTAGUE.

149—**Mixed.** All colors. ½ oz. 10c., oz. 15c..............................5c.

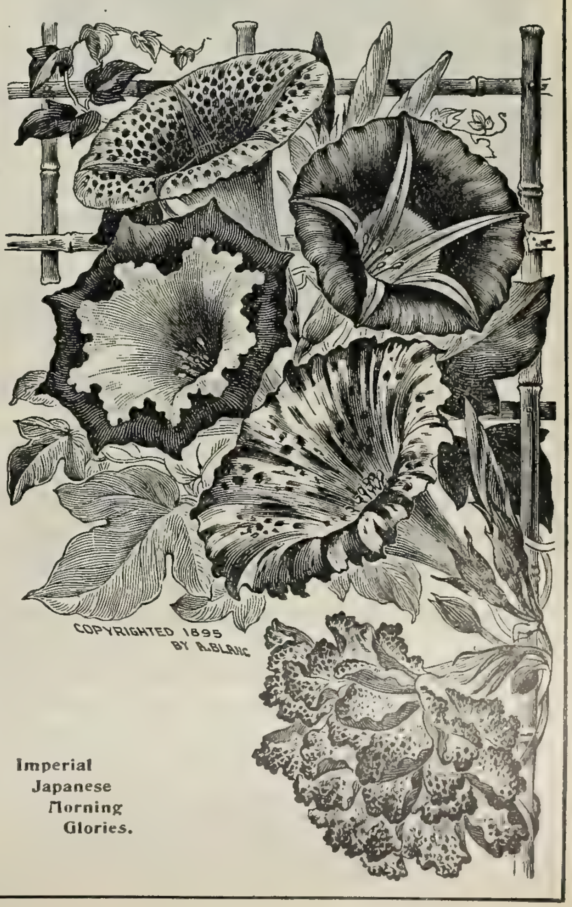
150—**Double White Tassel.** A new, very distinct and beautiful variety. The plant is of rapid growth, blooms early and as profusely as the common Morning Glory. The flowers are double and of snowy whiteness. The seed we offer will produce a much larger proportion of double flowers than any seed of double varieties yet imported from Japan...................10c.

Imperial Japanese Morning Glory.

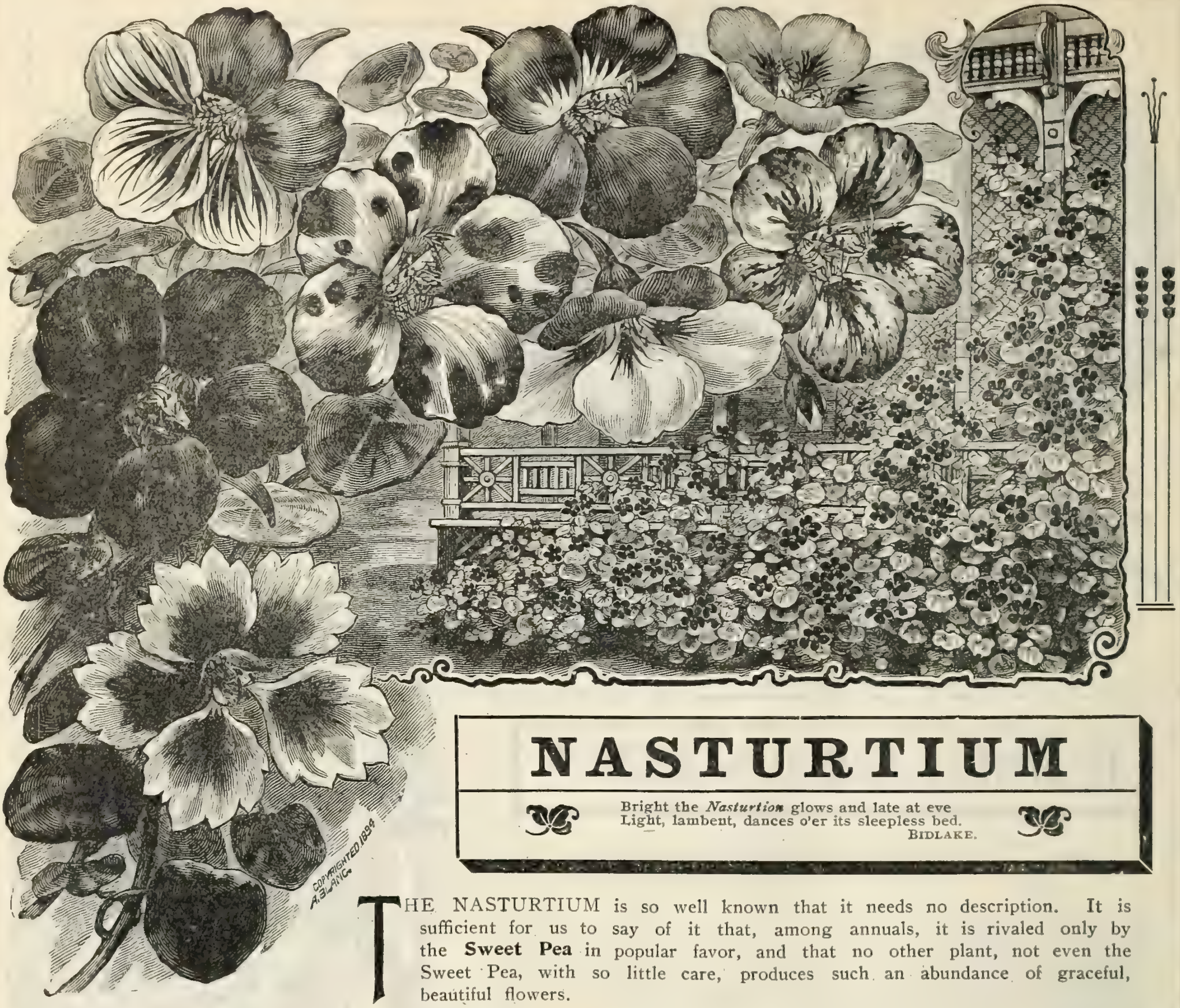
Every Season Increases the Popularity of this Beautiful Flower.

Among the many wonderful novelties in the floral line introduced into this country from Japan, there is perhaps nothing which better attests the great skill of the Japanese florist or gardener than this superb strain of Morning Glory. Not only are the flowers of an almost endless variety of coloring, but the foliage, as well, is greatly varied and very attractive. The flowers are much larger than those of the old strain and fully as freely produced. Some are brilliant red and some clear blue; others are equal in brilliancy, margined or bordered with clear white. Some are striped or blotched with red or blue on white or yellow ground, and others clouded with blue and red. In fact the many variations are almost indescribable, and one may expect to find each morning some new combinations of colorings. The large leaves are of varied form; some are plain green and some green mottled with white, while others are yellow or yellowish-green. So beautiful and effective is this plant and so simple is its culture that it would seem that none who once learned its merit could possibly fail to cultivate it.

151—**Choicest Mixed.** Comprising seed from several noted growers, both American and foreign, insuring *the greatest possible diversity* in color of flowers and of foliage. ½ oz. 15c., oz. 25c..............................5c.



Imperial Japanese Morning Glories.



NASTURTIUM

Bright the *Nasturtion* glows and late at eve
Light, lambent, dances o'er its sleepless bed.
BIDLAKE.

THE NASTURTIUM is so well known that it needs no description. It is sufficient for us to say of it that, among annuals, it is rivaled only by the **Sweet Pea** in popular favor, and that no other plant, not even the Sweet Pea, with so little care, produces such an abundance of graceful, beautiful flowers.

TALL NASTURTIUM ✻ Tropaeolum Majus.

152—**Atropurpureum.** Rich, dark crimson. Oz. 15c....5c.

153—**Dunnett's Orange.** Bright orange, blotched red. Oz. 15c....5c.

154—**Edward Otto.** Light brown with yellow calyx and spur. Oz. 15c....5c.

155—**Golden Leaved Scarlet.** Deep scarlet, with light yellow foliage. Oz. 20c....5c.

156—**Heinmanni.** Chocolate Brown. Oz. 20c....5c.

157—**Luteum.** Clear light yellow; large. Oz. 20c....5c.

158—**Pearl.** Very pale yellow, nearest approach to white. Oz. 20c....5c.

159—**Prince Henry.** Yellow, marbled scarlet. Oz. 15c....5c.

160—**Regelianum.** Deep purple violet. Oz. 15c....5c.

161—**Scarlet.** Very intense scarlet. Oz. 15c....5c.

THREE GIANT-FLOWERED TALL VARIETIES.

162—**Sunlight.** This beautiful variety is of strong, vigorous growth and blooms profusely. The flowers are of the largest size, often nearly *three inches across;* a clear golden yellow. The petals are large, of rounded form, daintily crinkled. The two upper ones have fine, brown lines at the base; the three lower are more distinctly bearded or fringed at the throat than other varieties.

163—**Moonlight.** This is nearly the counterpart of the "Sunlight," differing only in color, which is a lovely pale yellow or straw color. It is equal in size and has the same crinkly or crepe-like petals. It is a worthy companion of the preceding rather than a rival, and when grown side by side both show how aptly they are named.

164—**Salmon Queen.** A beautiful variety, with dark green foliage, bearing flowers of the largest size and beautifully colored. Of a rich but soft, velvety shade of salmon, the two upper petals heavily veined with crimson in the throat. A fitting companion to Sunlight and Moonlight, and a variety with which none can but be pleased.

Each variety, pkt. 5c., oz. 15c., ½ lb. 40c.

NASTURTIUM--Continued.

LOBB'S Tall Nasturtium; (Tropæolum Lobbianum.)

This class differs from the common or *Majus* in being of a more free flowering habit and in the greater brillancy of its flowers. Both foliage and flowers are slightly smaller and it is not as rank in growth as the common. The greater profusion of bloom and brilliancy of color makes it the more desirable to many.

165—**Cardinal.** Cardinal red; purplish-green foliage.

166—**Crown Prince of Prussia.** Rich brownish-crimson with veinings of a deeper shade.

167—**Crystal Palace.** Bright orange-yellow with bronzy-crimson markings at base of each petal.

168—**Giant of Battles.** Sulphur-yellow with carmine markings.

169—**King of the Blacks.** Very dark red, foliage dark green.

170—**Lucifer.** Deep crimson-red, dark foliage.

171—**Mercier Lacombe.** Purplish-violet.

172—**Queen Victoria.** Rich orange-scarlet.

173—**Spitfire.** Brightest scarlet; very free bloomer.

Each variety, pkt. 5c., oz. 15c., 2 oz. 25c., ¼ lb. 40c.

174—**Lobbianum Choicest Mixed.** A mixture of above and other varieties. Pkt. 5c., oz. 10c., ¼ lb. 30c.

TALL NASTURTIUM.

175—**Hybrids of Madame Gunter.** A beautiful strain, having a wide range of distinct colorings, salmon tints striped and blotched with different shades of red predominating, but embracing pink, rose, crimson, maroon, purple, light yellow and orange in self-colors as well as striped and blotched. For richness and variety of colorings this class is not surpassed by any other nor does any other bloom more freely. Pkt. 5c., oz. 15c., ¼ lb. 40c.

176—**New French Chameleon.** A wonderful new variety, having the peculiar property of producing flowers of *many distinct colorings upon the same plant.* The flowers are not only of different colors but are variously blotched, striped and bordered with contrasting shades. On the same plant appear at once clear self-colored flowers, others stained or flushed on a clear ground, and still others edged or banded with lighter or darker shades. Pkt. 5c., oz. 15c., ¼ lb. 40c.

Tall Nasturtium MIXTURES.

177—**Tall Mixed, all Colors.** A choice mixture, of which we have sold in the past few years large quantities. It comprises many distinct colorings and is fully equal to most of the mixtures generally offered. Being, however, mostly grown in mixture, it is not guaranteed to contain all of the most desirable varieties, but will, nevertheless, afford an effective display, surpassed only by the Worcester Tall Mixed. Pkt. 5c., oz. 10c., ¼ lb. 25c., lb. 90c.

178—**Worcester Tall Mixed.** In this mixture we have one which cannot be surpassed. It embraces many named varieties, including such as the *Giant-Flowered Sunlight, Moonlight and Salmon Queen, The Hybrids of Madame Gunter, New French Chameleon,* and all of the best of the *Majus* and *Lobbianum* classes. This mixture is made by ourselves and we therefore know *just what it is,* and can confidently recommend it as the *best that can be made.* Pkt. 5c., oz. 15c., 2 oz. 25c., ¼ lb. 40c., lb. $1.25.

Nasturtium ✤ DWARF, OR TOM THUMB.

This class blooms as freely as the Tall, and, being as well-known, requires no description or commendation. The following list of varieties comprises all of the best and most distinct. *A package of Nasturtium contains from thirty to forty seeds.*

179—**Aurora.** Bright chrome-yellow, veined with carmine.

180—**Beauty.** Orange, with bright scarlet markings.

181—**Brilliant Yellow.** Clear, bright, glossy yellow. A beautiful variety. Pkt. 10c., oz. 25c.

182—**Bronze Colored.** A very distinct and peculiar shade.

183—**Cloth of Gold.** Brilliant scarlet. Foliage golden yellow, distinct and pleasing; excellent for edge of bed of Nasturtiums, or foliage plants, or for combining with dark leaved varieties like *Empress of India, King Theodore, etc.*

184—**Cœruleum Roseum.** Bright cherry-red. A distinct shade.

185—**Crystal Palace Gem.** Rich sulphur-yellow, spotted with carmine.

186—**Empress of India.** Dark rich scarlet. Foliage bronzy purplish-green. Plant dwarf and compact; fine for edgings.

187—**General Jacqueminot.** Crimson scarlet, like *Jack Roses.* Foliage beautiful, dark green.

188—**Golden King.** Rich orange. Dark purplish foliage.

189—**King Theodore.** Rich velvety crimson. Dark foliage. Very desirable.

190—**King of Tom Thumbs.** Brilliant orange-scarlet. Foliage dark green.

191—**Pearl.** Pale primrose, often described as white.

192—**Prince Henry.** Pale yellow, heavily suffused with rose. A distinct and desirable variety.

193—**Rose.** Bright rose. A small flowered but charming variety.

All varieties at uniform prices except where noted.
Pkt. 5c., oz. 15c., 2 oz. 25c., ¼ lb. 40c.

❀ NASTURTIUM--Continued. ❀

DWARF ✤ Nasturtium.

194—**New French Chameleon.** This is identical with the *New Tall Chameleon* in the feature of producing flowers of greatly diversified colorings and markings on the same plant, the plant, however, being of the true dwarf type, and is perhaps even more striking than the *Tall Chameleon.* A pleasing novelty, which all growers of the Nasturtium should try. Pkt. 5c., oz. 15c., 2 oz. 25c., ¼ lb. 40c.

195—**Liliput.** A new, distinct and charming strain, of very dwarf, compact habit, which originated from the tall *Tropæolum Lobbianum.* It has the same desirable features of great brilliancy of coloring and free-flowering habit. The plant is smaller than the common strain of *Dwarf Nasturtium,* as are the light green leaves. The flowers also are smaller, but so profusely borne that they appear above the foliage in clusters and embrace many new and beautiful colorings. Very desirable for edgings. Pkt. 5c., oz. 15c., 2 oz. 25c., ¼ lb. 40c.

Dwarf Nasturtium MIXTURES.

TWO—One Good, the other Better.

196—**Dwarf Mixed, all colors.** For so many years have we sold this mixture that we unhesitatingly say it is a *good* one, despite the fact that we offer another—a better one—which we advise planting in preference to this. Although this, like the *Tall Mixed* is largely grown in mixture, it, like that, embraces a wide range of colors and, also like that, has given great satisfaction to our many customers who have used it. Pkt. 5c., oz. 10c., ¼ lb. 25c., lb. 90c.

197—**Worcester Dwarf Mixed.** In addition to all of the preceding named sorts, including the new *Chameleon,* we have selected other choice varieties of the large flowered type, all of which combined make a mixture which for pleasing variations cannot be surpassed. We advise its use in preference to the regular mixture, believing that the wider range of color will much more than offset the slight difference in price. Pkt. 5c., oz. 15c., 2 oz. 25c., ¼ lb. 40c., lb. $1.25.

Collections of Nasturtiums.

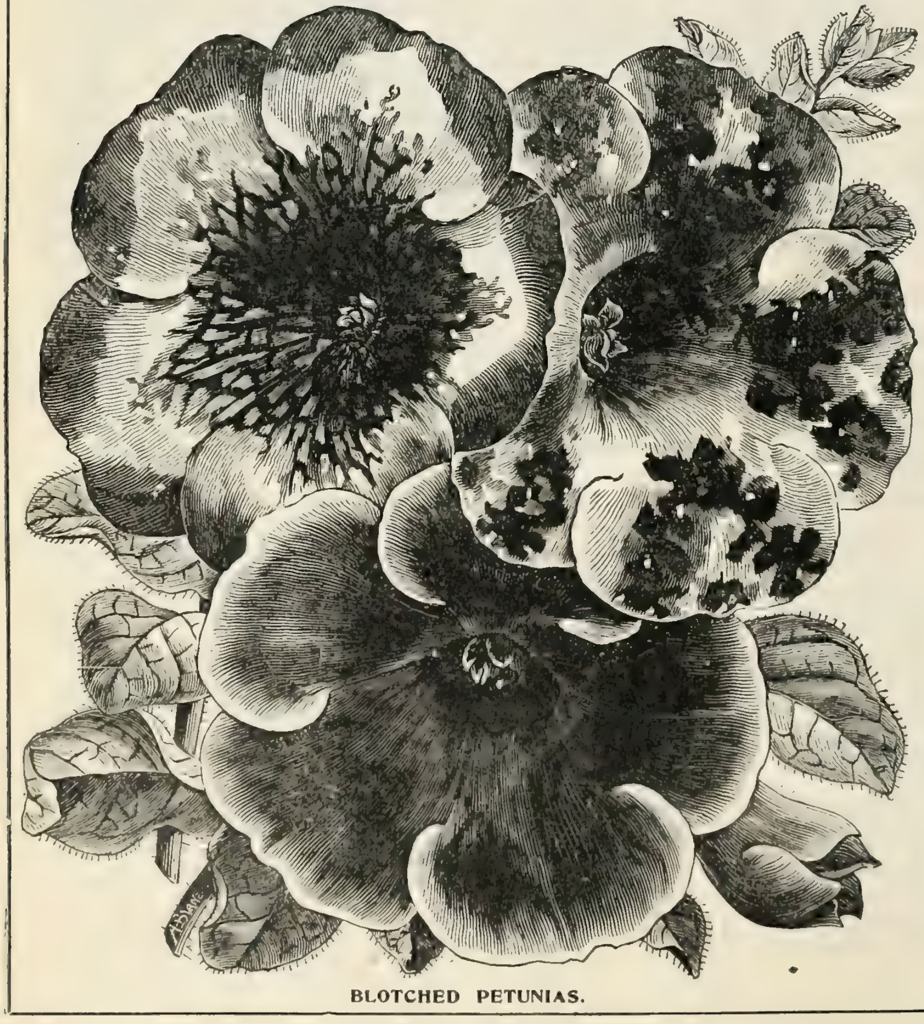
So popular have our collections of Sweet Peas always been that we now offer Nasturtiums in collections, enabling those who prefer to know just what varieties they are to receive to secure a large number, distinct and varied in color, at a greatly reduced price.

198—**Our Special Collection of Dwarf Nasturtiums.** Ten named varieties, our selection, but including the *New French Chameleon* and *Liliput*............................30c.

199—**Our Special Collection of Tall Nasturtiums.** Ten named varieties, our selection, but including *Sunlight, Moonlight* and *Tall Chameleon*............................30c.

200—**Our Favorite Collection.** One packet each of Tall Nasturtiums—Sunlight, Moonlight, Salmon Queen, New Tall Chameleon, Golden-Leaved Scarlet, Prince Henry, Pearl, Rose, and one each of Dwarf—Bronze Color, Cloth of Gold, Cœruleum Roseum, Empress of India, King Theodore, Rose, New Chameleon and Liliput—16 varieties for 40 cents.

The packets in these collections are not specially prepared for this—that is, having but few seeds—but are just what we sell at our counters for 5 cents each—*full size,* containing from 30 to 40 seeds. Our Special Offer *does not apply* on collections, nor can there be any further discount, regardless of number purchased.



BLOTCHED PETUNIAS.

PETUNIA.

201—**Dwarf Inimitable.** Of compact habit and growing but five to eight inches in height, bearing profusely small striped flowers ....10c.

202—**Grandiflora.** Choicest Mixed. Extra large flowers, with larger and more open throat than that of common type. Plant of robust growth and of free flowering habit................................10c.

203—**Finest Striped and Blotched.** A choice assortment of striped and blotched varieties of many exquisite markings. 10c.

204—**Good Mixed**.......................5c.

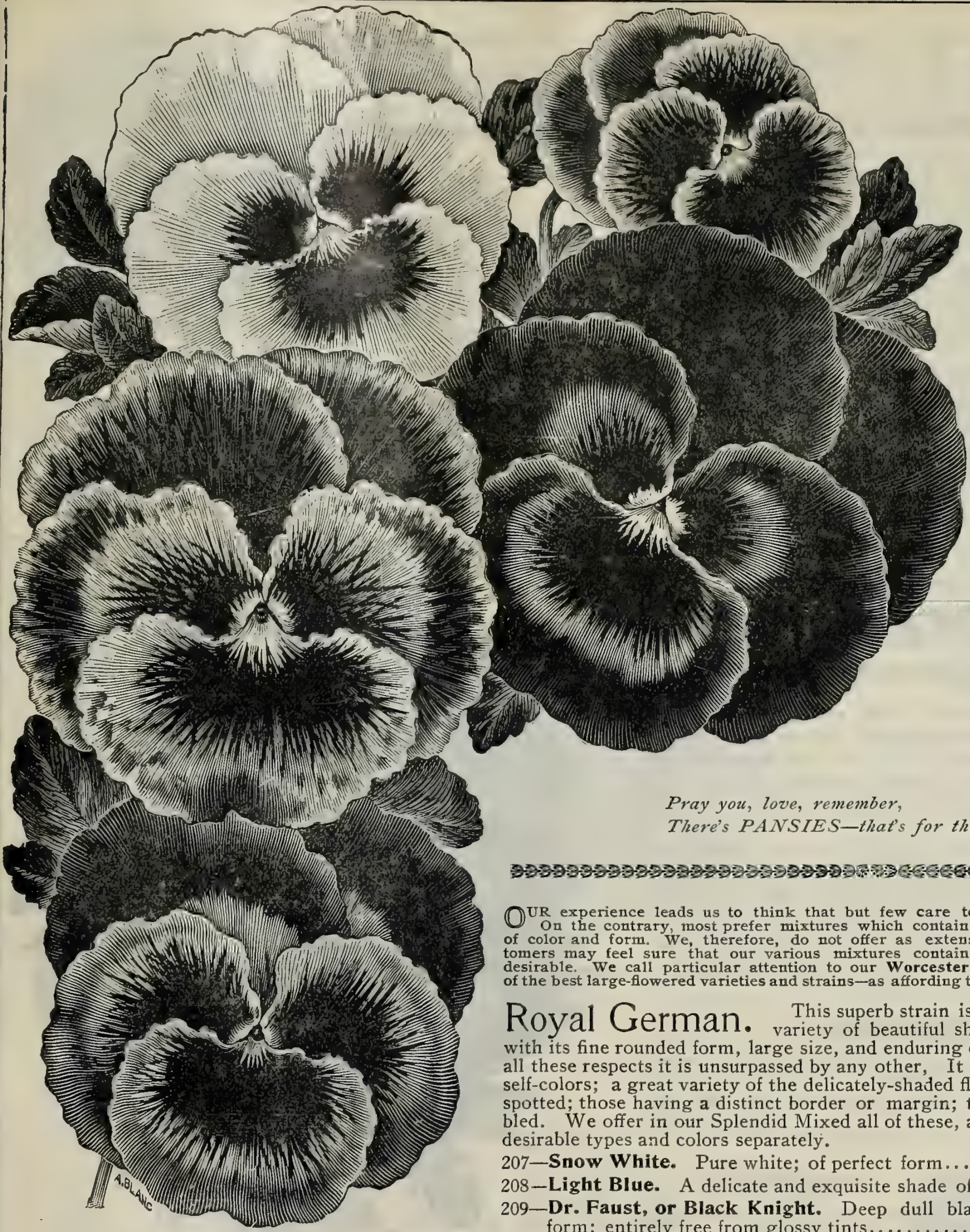
A New Strain of Petunia.

“Giants of California”

This new strain was developed in California. The flowers are nearly all ruffled or fringed and are often *five inches* in diameter. It embraces a wide range and many beautiful combinations of colors—some with deep throats of yellow, green, maroon, black or white veined, blotched or striped with contrasting shades. The plant is of vigorous habit. A superb strain, which all lovers of the Petunia should try.

205—**Choicest Mixed**.................25c.

It might be well for us to mention that the seeds of Petunia being so very small it often appears as though there were but few seeds in a packet, whereas a packet contains from 150 to 300 seeds.



Pansy

Heartsease

LOVE-IN-IDLENESS.

Heartsease!
One could look for half a day
Upon this flower.
—MARY HOWITT.

* * *

Pray you, love, remember,
There's PANSIES—that's for thought. —SHAKSPEARE.

OUR experience leads us to think that but few care to sow many separate colors. On the contrary, most prefer mixtures which contain the greatest possible variety of color and form. We, therefore, do not offer as extensive a list as many, but customers may feel sure that our various mixtures contain all the colors and varieties desirable. We call particular attention to our **Worcester Giant Mixed**—a combination of the best large-flowered varieties and strains—as affording the largest possible variations.

Royal German. This superb strain is notable for its very great variety of beautiful shades of coloring together with its fine rounded form, large size, and enduring quality of the flowers. In all these respects it is unsurpassed by any other. It comprises all the solid or self-colors; a great variety of the delicately-shaded flowers; the three and five spotted; those having a distinct border or margin; the fancy striped and marbled. We offer in our Splendid Mixed all of these, and also some of the most desirable types and colors separately.

207—**Snow White.** Pure white; of perfect form........................10c.

208—**Light Blue.** A delicate and exquisite shade of light lavander blue..10c.

209—**Dr. Faust, or Black Knight.** Deep dull black; very large and fine form; entirely free from glossy tints.............. :................10c.

210—**Deep Yellow.** Fine large flower; self-colored; of a rich golden yellow...10c.

211—**Rainbow.** So called from its bright, glowing colors; flowers reddish-lavender, shaded with white, pink and carmine...10c.

212—**Odier, or Five-Spotted.** Flowers large, of great beauty and of varied coloring. Each petal has a large spot or blotch of darker color and a distinct border of different shade.10c.

213—**Fancy Varieties.** Choicest Mixed. This mixture contains all of the best types of striped, blotched, mottled and edged flowers; of large size and rounded form, peculiar to the German varieties.....................................10c.

214—**Show Varieties.** Choicest Mixed. A choice assortment of solid or self-colored varieties only, having the usual characteristics of the Royal German Pansies............10c.

215—**Royal German. Splendid Mixed**.................10c.
Over fifty varieties, ¼ oz. 60c., ½ oz. $1.00, oz. $3.50.

GIANT TRIMARDEAU.

216—Mixed. A distinct class, with enormous flowers of rich and varied shades distinctly marked with large blotches on three lower petals. A charming and desirable strain of French origin, lacking somewhat the broad round form of the German varieties, but which, on account of its size and beauty, is a very popular one..........................10c.
¼ oz. 40c., ½ oz. 65c., oz. $2.25.

PANSY -- Continued.

EXTRA LARGE FLOWERED.

217—Choice Mixed. A selection of extra large-flowered varieties containing a large proportion of the separate colors of German Pansies, with the usual characteristics of these flowers. On account of their substance, especially desirable for cutting. While not as desirable as the following for bedding, yet for early spring blooming this will be very satisfactory, especially to those who prefer large flowers rather than a greater profusion of smaller ones......................10c.

⅛ oz. 30c., ¼ oz. 50c., oz. $1.50.

SPECIAL MIXTURE—For Bedding.

218—This mixture is made of such varieties as experience has shown are best adapted for bedding; that is, those that will give the greatest freedom of bloom in the summer, and which, while not as large flowered as some, are yet by no means small. It comprises a large range of colors, and owing to the free blooming habit of the varieties selected is especially desirable for bedding, producing a bright effect, even in the hot weather, so trying to the Pansy.........10c.

⅛ oz. 30c., ¼ oz. 50c., oz. $1.50.

ENGLISH PRIZE, or English Face.

219—Choicest Mixed. The peculiar characteristic of this strain is the bold face-like markings of the flowers, which, combined with their delicate texture and velvety appearance makes it a pleasing variation........................10c.

⅛ oz. 25c., ¼ oz. 40c., oz. $1.25.

WORCESTER GIANT MIXED.

220—This mixture is made by us, from the choicest large-flowered varieties and mixtures, including the best of those here offered, and many other German and French Prize strains, which we do not consider necessary to list separately. It affords the greatest possible diversity of color, with almost innumerable shadings and markings, and like all mixtures to which we attach the name *Worcester*, is the best we know how to make...15c.

⅛ oz. $1.00, ¼ oz. $1.75.

221—**Good Quality.** Mixed. A good assortment of colors. A strain which, being grown in mixture, does not require the care in growing, or selection, of named varieties, and can therefore be sold at less price. It will give more pleasing results than might be supposed from the price at which we offer it..5c.

⅛ oz. 20c., ¼ oz. 35c., oz. $1.00.

Phlox Drummondi

One of most popular annuals; hardy and of the easiest culture. Remarkably free flowering and brilliant and varied in coloring. It is very desirable for bedding, the brighter colors especially producing a striking effect; the red, when grown in masses, verifying the correctness of the name Phlox—signifying *flame*.

Seed may be sown in the open ground in the fall or early spring and will produce plants that will commence to bloom about the first of July, and continue in bloom until cut down by severe frosts. The dwarf varieties may be allowed to grow from four to six inches apart, but the tall varieties should stand about one foot apart, for if closer they are liable to mildew.

GRANDIFLORA.

A large-flowered strain; a great improvement on the old type both in size and form of flower.

222—**Choicest Varieties.** Mixed, all colors. ¼ oz. 25c., oz. 75c..5c.

NANA COMPACTA. (Dwarf Phlox.)

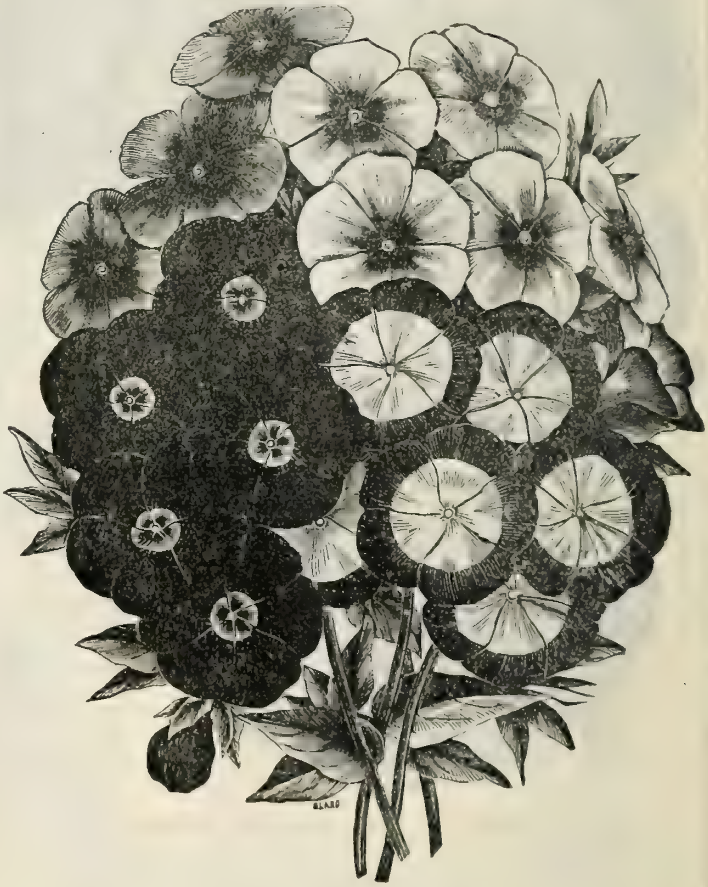
This dwarf type grows only from six to eight inches high, and is especially desirable for ribbon beds and edgings.

223—**Fireball.** Bright scarlet..........................10c.
224—**Snowball.** Pure white...........................10c.
225—**Mixed Colors.** All the choice varieties. ⅛ oz. 30c., ¼ oz. 50c...10c.

Star, or Fringed Phlox. Star of Quedlinburg.

226—A distinct class, having petals partly fringed, partly toothed, instead of the entire round form of other Phloxes, and some of which being longer than others and regularly placed give the flowers a star-like appearance.

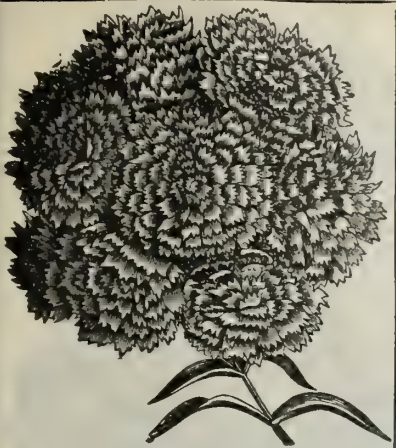
Mixed Colors. ¼ oz. 25c., oz. 90c......................10c.



PERENNIAL PHLOX.

An old, well-known and very popular herbaceous plant, and growing in favor yearly. While propagation is usually accomplished by the amateur by division and by the florist with cuttings, our choice new varieties are seedlings and the field is open to all to easily increase their stock in this way, and is, to say the least, an interesting one, with but little expense.

227—**Tall Varieties.** Mixed colors. Seed saved from choicest varieties ....10c.



Double China.

PINK

DIANTHUS See also Carnation

THE following varieties of Dianthus, commonly known as Chinese and Japanese Pinks, have been for a long time very popular, and deservedly so. In diversity of rich and beautiful markings they have but few rivals, and in ease of culture, freedom of bloom, and almost certainty of satisfactory results, they stand close to the Nasturtium. They are all hardy biennials, blooming the first year from seed, and some in most localities will often produce larger and finer flowers the second, but, owing to the ease with which they can be grown from seed, few treat them as biennials. Seed may be sown in the open ground at any time during May. Plants should stand about six inches apart.

228—**Double China.** (Chinensis fl. pl.) Plant compact, bearing in large clusters small, double flowers of varied colorings. Mixed colors, ½ oz. 15c., oz. 25c..................5c.

229—**Double White.** (Chinensis dalba fl. pl.) Double pure white..5c.

230—**Heddewig's Double.** (Heddewigi fl. pl.) Flowers very large and double, with finely fringed petals. A very fine strain, embracing a wide range of colors,—pink, rose, purple, maroon, white, and occasionally black and white. All colors mixed, ¼ oz. 20c., oz. 65c..............................5c.

231—**Crimson Belle.**(Heddewig's.) Large single flowers, beautifully fringed; deep crimson..............................5c.

232—**Eastern Queen.** (Heddewig's.) Flowers single, often two to four inches across; silvery white ground, with rich shadings and crimson center........5c.

233—**Mourning Cloak.** (Heddewig's.) Large double flowers, with deep mahogany, almost black ground, and finely fringed edge of white...............5c.

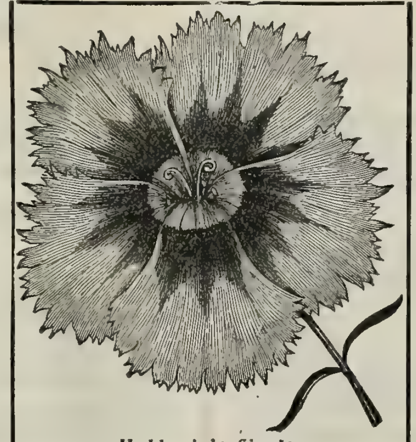
234—**Heddewig's Single Mixed.** Fine large flowers, of brilliant colors, deeply fringed or feathered.................5c.

235—**Double Diadem.** (Diadematus fl. pl.) Flowers large, double and finely marked. Beautiful and varied in color, running from crimson-purple to black purple. Choice mixed...............5c.

236—**Double Imperial.** (Imperialis fl. pl.) Bright, showy flowers, very double, finely variegated in a wide range of colors. ¼ oz. 15c., oz. 50c..........5c.

237—**Double Japan.** (Laciniatus fl. pl.) Large double fringed flowers, of peculiarly rich and varied colorings. A choice strain...5c.

238—**WORCESTER MIXED.** Our own unsurpassed mixture of above and other choice varieties. ¼ oz. 20c., oz. 60c...5c.



Heddewig's Single.

239—**DOUBLE DWARF LARGE FLOWERING HYBRIDS.** The plants of this new strain are of dwarf habit, only nine to ten inches in height when in full bloom. They bloom profusely and the flowers are of fine form and substance, of brilliant colors, and of the largest size, specimens often reaching a diameter of three inches. They embrace all colors, from white to crimson, and are mostly variegated in the striking markings peculiar to the Dianthus...10c.

PHYSALIS.

(Franchetti—Chinese Lantern Plant.)

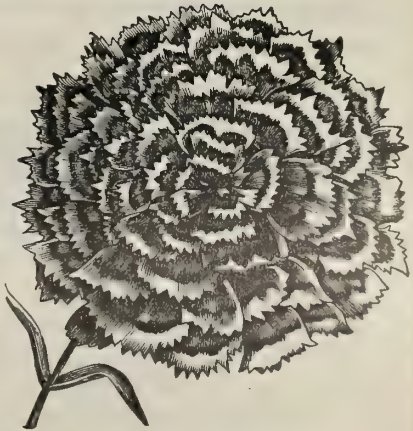
240—This has been extensively advertised under the latter name, and has also been known as the Japanese Winter Cherry. It is really a small-fruited Husk Tomato, but of little value, if any, for eating. It is, however, of merit as an ornamental plant, the large, bright-red husks, or pods, produced in the axils of the leaves making it very showy. The roots are perfectly hardy and send up numerous shoots early in the spring. These are of straggling growth but, when covered with the bright pods, the plant is very effective for either garden or house decoration. Perennial; easily attaining a fruiting size the first year.............10c.

PORTULACA

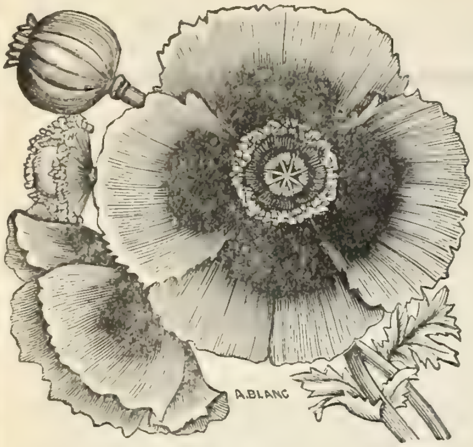
WELL-KNOWN tender annuals, blooming profusely soon after seed is sown until cut down by frost. They thrive in nearly all soils and locations, but succeed best in a light, sandy soil and sunny spot, enduring any amount of dry weather. They are of but little value for cutting, but for a dazzling display, when sown in masses, nothing equals them.

241—**Single Mixed.** ½ oz. 25c., oz. 40c..5c.

242—**Double, Choice Mixed.** Usually from fifty to sixty per cent of the flowers will come double, attaining to the highest proportion and largest size the latter part of the summer. ⅛ oz. 40c., ¼ oz. 65c....................................10c.



Double Japan.

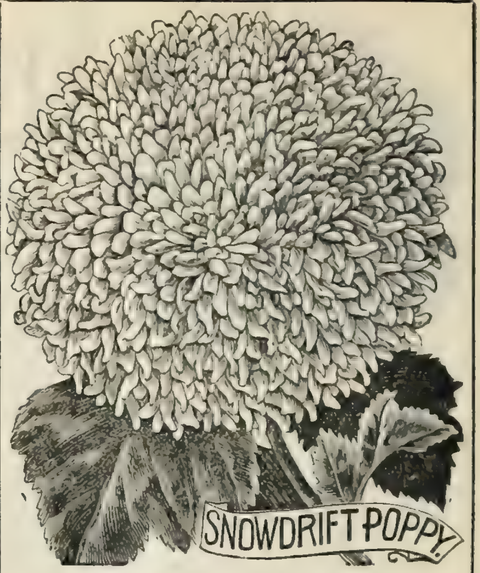


UMBROSUM POPPY.

POPPY

> But pleasures are like Poppies spread;
> You seize the flower, its bloom is shed.
> —BURNS.

This well-known plant is of the easiest culture, only requiring to be sown where designed to remain as it is very difficult to transplant. Although not generally adapted for cutting, some of the recent additions have flowers of more lasting quality than the older type, of which the poet writes.



243—**Umbrosum**. Scarlet, with black spot on each petal. A very showy variety, of dwarf habit.......................5c.

244—**Snowdrift.** Large, pure white flower, very double and finely fringed. A grand variety.......................5c.

245—**Cardinal.** Large, double flower, bright cardinal red; as finely fringed as the Snowdrift. A worthy companion for that beautiful variety....................................5c.

246—**Tulip-Flowered.** Splendid large flower, borne well above the foliage, cup-shaped, bright scarlet, sometimes having a black spot at base of each petal. Very beautiful, and when grown in mass resemble a bed of scarlet Tulips. 1½ ft. ....5c.

247—**Shirley**. Flowers large, generally single or semi-double. Of a wide range of color, running from blush-white through shades of pink-rose and carmine to deep crimson, occasionally blotched or streaked with white. A very graceful and elegant variety, especially fine for cutting................5c.

248—**Double Carnation-Flowered, Mixed**. An old but desirable strain, embracing many distinct shadings and colors. Flowers very large and double, with beautifully fringed petals..5c.

249—**Danebrog**. A single-flowered variety; bright scarlet with white spot at base of each petal. Very showy and distinct. 5c.

250—**Worcester Mixed.** Our own mixture of the preceding varieties and several others, all annuals, cannot fail to please...5c. ¼ oz. 15c.; oz. 50c.

PERENNIAL VARIETIES.

ICELAND POPPIES.

These bloom the first year from seed. Large satiny flowers, borne on long stems; somewhat fragrant; excellent for cutting, remaining in good condition several days if cut when first open. The plant is perfectly hardy and blooms from June to October.

251—**White, Yellow and Orange, mixed**................5c.

ORIENTAL POPPIES.

These are also perfectly hardy and may be used to advantage in the perennial border. Seed may be sown in the open ground late in fall or early in the spring. They bloom early the second spring from sowing. All are single-flowered and of some shade of red, the following variety being much the best of the class.

252—**Orientale.** Flowers of immense size, six inches in diameter, bright scarlet. 3 ft...............................10c.

ROCKET. (Hesperis Matronalis.)

> In rival pomp, see either Rocket blow,
> Bright as the sun, or as the new fallen snow. —EVANS.

Hardy perennial plant of easy culture, bearing clusters of purple or white fragrant flowers. The fragrance is much more powerful in the evening. 1½ ft.

253—**Mixed**...5c.

RICINUS. (See Castor Bean.)

RHODANTHE. One of the finest everlasting flowers and an excellent plant for garden decoration. If flowers are gathered before they are fully expanded and dried in the shade, they will retain their color for years. Tender annual. 1 ft.

254—**Mixed Colors.** Various shades of pink, rose, crimson and white..5c.

SALVIA. (Flowering Sage.) Well-known perennials, blooming the first year from seed sown early in heat. They grow well in any light, rich soil, and will bloom until after frost. The Splendens (Scarlet) is one of our best and most effective plants for lawn decoration.

255—**Splendens.** The well-known variety; bright scarlet. 10c.

SCABIOSA, or Sweet Scabious. Mourning Bride.

> The Scabious blooms in sad array,
> A mourner in her spring. —Flora's Interpreter.

A popular hardy annual, blooming freely in cool locations or during the late summer and fall. The flowers of the Tall varieties are borne on slender but stiff stems and are excellent for cutting. The foliage is of compact, rounded form, about ten inches in height. The Dwarf varieties are similar in form but only one-half the height.

256—**Dwarf Double.** Mixed, all colors. Includes the new varieties...5c.

257—**New Tall Large-Flowering Double.** Mixed. Large double flowers in a remarkably wide range of colorings, shading from white to pink, crimson to deep red, and from lilac to deep black...5c.

SENSITIVE PLANT. (Mimosa Pudica.)

> Weak with nice sense the chaste Mimosa stands,
> And from each touch withdraws her timid hands. —DARWIN.

Very curious and interesting plant, the leaves closing if touched or shaken. Half-hardy annual.

258—**Sensitive Plant.** Pinkish white; 1½ ft...............5c.

SWEET PEAS.

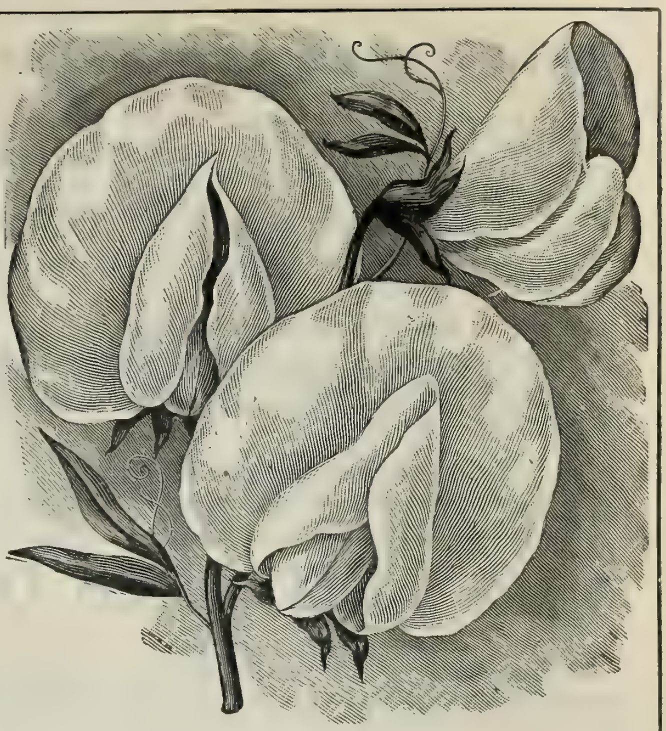
Here are Sweet Peas, on tiptoe for a flight;
With wings of gentle flush o'er delicate white,
And taper fingers catching at all things,
To bind them all about with tiny rings. —KEATS.

A selection aimed to contain only the best or most desirable varieties, classified as to color or shade.

Descriptions of flowers, especially of those of a class as varied as the Sweet Pea, are at their best but meager and unsatisfactory, but as it is not always easy to determine in which class some varieties should be placed, the brief description with each variety may aid in distinguishing the difference between those in the same class.

Nearly all of the following varieties are of large size and excellent form, and generally superior to those of similar color or shade. We however carry in stock nearly all of the named varieties, and should any desire some of them they may safely include them in order.

Uniform price on all varieties. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 25c.



White.

1. **Blanche Burpee**—Large and of fine form and lasting substance, stems long and stiff; often three-flowered.
2. **Emily Henderson**—The earliest pure white variety.
3. **Sadie Burpee**—Claimed to be of improved form, but otherwise similar to Blanche Burpee.

Pale Yellow or Cream.

4. **Coquette**—Deep primrose, standard shaded with lavender, of fine form and good size.
5. **Duchess of Westminster**—Standard creamy white, shaded with coppery rose; wings suffused with salmon-pink.
6. **Mrs. Eckford**—Light primrose yellow, large
7. **Queen Victoria**—Primrose yellow faintly suffused with purple, the nearest approach to yellow excepting Stella Morse.
8. **Stella Morse**—Large and of fine form, a combination of creamy yellow and salmon-pink, producing a beautiful apricot shade.

Light Blush.

9. **Modesty**—Silvery white faintly suffused with pink.
10. **Mrs. Sankey**—Often described as white, but is perhaps more appropriately classed here owing to its tinge of pink, becoming white only as it fades.
11. **Sensation**—Fine large flowers often three, sometimes four, on a stem, faint blush pink.

Pink and White.

12. **Blanche Ferry**—Standard bright pink; wings nearly white, very popular.
13. **Extra Early Blanche Ferry**—An extra early strain of the preceding, flowering at least a week earlier.
14. **Earliest of All**—Still earlier than the *Extra Early Blanche Ferry*, similar in color. Does not grow as tall as others.
15. **Little Dorrit**—Standard clear rosy pink: wings creamy white flushed with faint rose. Of desirable form.

Light Pink.

16. **Crown Jewel**—Standard flushed with rosy violet, wings creamy white, slightly tinted with rose.
17. **Katherine Tracy**—Both standard and wings of soft but brilliant pink. Large and of desirable form, plant vigorous and free flowering.
18. **Lovely**—Delicate shell-pink faintly tinged with yellow, a truly lovely variety.
19. **Mrs. Gladstone**—Brilliant but soft rose pink on white ground.

Deeper Pink.

20. **Apple Blossom**—Standard heavily shaded and edged with soft rose; on white ground; wings white with rose in center.
21. **Blushing Beauty**—White ground beautifully suffused with rose pink.
22. **Prima Donna**—Beautiful blush-pink. Large and of finest form, often four-flowered.
23. **Royal Robe**—Standard rich pink, wings soft rose. Large and of beautiful form.
24. **Triumph**—Standard creamy white flushed with salmon· wings shaded with carmine.

Rose.

25. **Colonist**—Rich rose pink, deeper in the wings.
26. **Her Majesty**—Beautiful, soft but deep rose, large and finely hooded,
27. **Mrs. Dugdale**—Both standard and wings, carmine-rose faintly marked with primrose. One of the largest flowers of all; uniformly three on a stem.
28. **Ovid**—Deep rose-pink veined with deeper shade; wings still deeper. Of good size and the desired hooded form.
29. **Prince of Wales**—Self-colored deep rose. Large, beautifully hooded, frequently four-flowered.
30. **Royal Rose**—Standard deep rose-pink; wings a lighter shade. Of largest size and fine form.

Scarlet and Crimson.

31. **Brilliant**—Rich brilliant red. Of good size and substance, and fine form.
32. **Firefly**—Bright scarlet, of medium size.
33. **Mars**—Intense scarlet; wings suffused with rose.
34. **Prince Edward of York**—Standard, a shade between scarlet and salmon; wings deep rose.
35. **Princess Victoria**—Standard bright scarlet; wings reddish mauve. Of good size and form.
36. **Salopian**—(Improved Sunproof.) The finest scarlet variety. Of the largest size and finest form, uniformly three-flowered.

Salmon and Orange.

37. **Chancellor**—Soft rosy-pink heavily shaded in center with salmon.
38. **Countess of Powis**—Light salmon-pink suffused with orange.
39. **Gorgeous**—Standard deep salmon-orange, wings suffused with deeper shade.
40. **Hon. F. Bouverie**—Soft salmon-pink, shading to lighter salmon buff at edges of standard and wings.
41. **Lady Mary Currie**—Of rich orange effect, standard veined with salmon-pink and shaded at base with carmine; wings rose-pink veined with deeper shade.
42. **Oriental**—Bright orange-salmon veined with deeper shade. Large and finely formed.
43. **Venus**—One of the loveliest of this class. Beautiful salmon-buff shaded with rose-pink.

Mauve and Lavender.

44. **Admiration**—Self-colored rosy mauve. A fine large flower freely produced.
45. **Celestial**—Light lavender with faint reddish tinge.

SWEET PEAS — CONTINUED.

46. **Countess of Radnor**—Light lavender, often with faint purplish shade, especially in later stage of bloom.
47. **Dorothy Tennant**—A rich self-colored reddish mauve, which the flower retains when fully expanded.
48. **Fascination**—An extra large flower, rich reddish mauve.
49. **Golden Gate**—Pinkish mauve and lavender blended.
50. **Lady Grisel Hamilton**—Light lavender standard with bluish wings.
51. **Lady Nina Balfour**—Delicate light lavender approaching mouse color.
52. **New Countess**—An improved *Countess of Radnor* more nearly free from reddish cast in standard.

Bluish-Purple with White.

53. **Butterfly**—Flowers small, but a popular variety from its peculiar form and color, creamy white with lavender shadings and purple edges.
54. **Lottie Eckford**—Silvery-white shaded and edged with lavender.
55. **Maid of Honor**—White ground shaded with light bluish-purple, and narrowly edged with violet.

Approaching Blue and Purple.

56. **Captain of the Blues**—Standard bluish-purple; wings purplish lavender.
57. **Navy Blue**—Perhaps as nearly approaching a ***True Blue*** as can be reasonably expected in a sweet pea.
58. **Indigo King**—Standard rich purplish maroon; wings of more bluish cast.

Claret and Maroon.

59. **Black Knight**—The darkest variety, standard rich dark claret; wings shaded with brownish purple.
60. **Captivation**—Bright claret.
61. **Duke of Clarence**—Rosy claret approaching purplish maroon.
62. **Duke of Sutherland**—Rich claret with reddish tinge, shading to purple at base.
63. **Othello**—Deep maroon, self-colored; very large.
64. **Shahzada**—Very dark maroon, with a tinge of purple.
65. **Stanley**—Self-colored dark maroon.

Striped and Variegated.

66. **America**—White, striped with bright red.
67. **Aurora**—Creamy white, striped or flaked with orange-salmon; extra large.
68. **Gray Friar**—Creamy white, marbled with light purple.
69. **Juanita**—(Striped Celestial.) Light lavender markings on creamy-white ground. Large and of fine form.
70. **Lottie Hutchins**—Creamy-white, striped or flaked with light pink. Large, of fine form, and very attractive.
71. **Mrs. Jos. Chamberlain**—Ground clear white, striped with pink; extra large and of good form, very popular.
72. **Princess of Wales**—White, striped with mauve.
73. **Ramona**—Rich cream, with broad splashes of pink.
74. **Senator**—White, heavily striped with chocolate maroon.

MIXTURES OF SWEET PEAS.

OUR CHOICE MIXTURE.

This Choice Mixture is made by us, and contains about sixty named varieties, including both old and new, mixed in right proportions of color, and with the exception of some of the latest highest priced varieties contains all that is desirable for a choice mixture.

Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 25c., lb. 65c.

OUR BEST MIXTURE.

This is made of the large flowering varieties only. It contains most of the above desirable varieties and many of the higher priced more recent introductions not therein contained. Special attention is given that it shall be rightly proportioned as to color as well as to size, form and substance of the flowers. Nearly all have long stems, many of them bearing three and sometimes four flowers. This mixture cannot be surpassed by any other, regardless of the price that may be attached to it.

It is the Best. Pkt. 5c., oz. 15c., 2 oz. 25c., ¼ lb. 35c., lb. $1.00.

COLLECTIONS OF SWEET PEAS.

These collections are made of our *regular full size packets* and, while of our selection, are guaranteed to contain only desirable varieties. They are NOT included in our Special Offer.

OUR SPECIAL COLLECTION. 10 Named Varieties, 25 cents.
OUR FAVORITE COLLECTION. 15 Named Varieties, 35 cents.

Of Our Favorite Collection we have to say that special attention is given that the varieties shall be as distinctive as possible and also those most desirable.

BUSH SWEET PEAS.

This class, an intermediate one between the Tall and Dwarf, growing about 18 inches high, is desirable for planting in rows, and presents a pleasing effect in the flower garden when thus planted. As the name indicates, the Bush Sweet Peas are of bushy habit, and are to a considerable extent self-supporting when allowed to stand about six inches apart, requiring then but little if any support. The flowers are not over two-thirds the size of those of the Tall varieties, and are therefore of but little value for cutting. Nearly all the colors and shades of the Tall varieties are now found in this class, and a number of named varieties have been introduced, but as its chief value lies in its use for garden decoration, and for that purpose the effect would be more pleasing when planted in mixture, we offer seed only in this way:

Mixture of about Fifty Varieties or Colors. Contains the named varieties and many colors not yet separately introduced.

Large pkt. 10c., oz. 20c., ¼ lb. 50c.

DWARF, OR CUPID SWEET PEAS.

Plants of this class seldom grow over six inches high, but are of spreading habit. The dense mat-like mass of rich green foliage thickly set with flowers of varied colors is very attractive and makes this class desirable for bedding purposes. The flowers are much larger than are those of the preceding class, nearly if not quite as large as those of the Tall varieties, but unfortunately are short stemmed, which makes them like those of the Bush class—of but little or no value for cutting. There is, however, to be placed to the credit of this class the fact that it endures and thrives during periods of dry, hot weather, which would greatly injure if not destroy the Tall sorts. Care, however, should be taken that the plants should not stand too closely, as owing to the very dense growth they do not so quickly dry after heavy rains, and are, if too close, liable to rot. There have been introduced a number of named varieties; most of these bear the name of some of the Tall sorts, and are identical in color with the variety which name they bear. In addition there are a larger number of varieties or colors which have not yet been given a name, and nearly all of the colors of the Tall varieties are now found in this class. We offer some of the most distinctive and desirable varieties and a mixture containing most of the named sorts and a much larger number of unnamed colors.

Mixture of over Fifty Varieties or Colors. Pkt. 5c., ½ oz. 10c., oz. 15c., 2 oz. 25c., ¼ lb. 40c.

EVERLASTING, OR PERENNIAL SWEET PEA.

(Lathryus Latifolius.)

This is very hardy, having long roots which penetrate the soil to a great depth. It is slow in starting, does not produce many flowers the second year, but when fully established blooms profusely and is one of the most satisfactory perennials. The flowers are borne in clusters on stout stems, only lacking fragrance to make them more popular; but they are, nevertheless, especially valuable for cutting, and the plant should be more generally cultivated. The colors are white, purple and red.

261—**Mixed Colors**..5c.

SWEET WILLIAM. (Dianthus Barbatus.)

This well-known, free flowering perennial is very desirable for an effective display in the border, is of the easiest culture, and should be more generally cultivated. Seeds may be sown at any time from early spring to the middle of August and will make fine blooming plants for the following spring.

262—**Choice Single, Mixed**....5c. 263—**Choice Double, Mixed**....5c.

SWEET SULTAN. (Centaurea Moschata.)

An annual of easy culture, bearing fragrant flowers.

264—**Mixed, White and Purple**..5c

STOCK.

One of our most popular and easily grown annuals, only needing a good, rich soil, good seed and ordinary culture to furnish a profusion of beautiful and fragrant flowers. The seed now offered is a great improvement over the old strains of Gilliflowers, and will produce as large a proportion of double flowers as plants of the named sorts grown from cuttings.

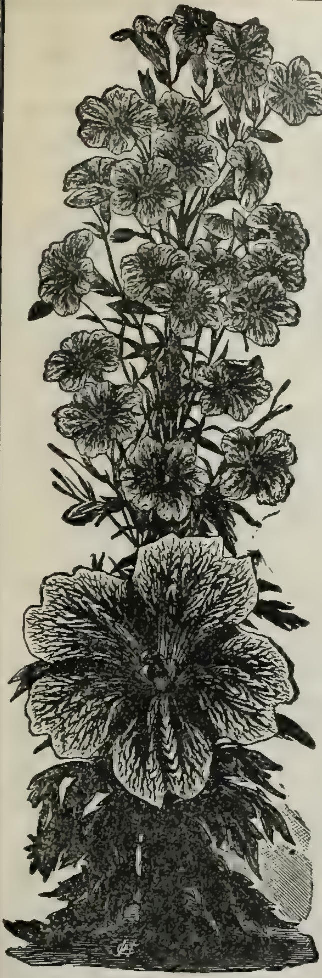
265—**Largest Flowering Globe Pyramidal, Mixed.** This new strain produces flowers of the largest size and perfectly double. Individual blooms are often over two inches in diameter. ⅛ oz. 75c................10c.

266—**Large-Flowering Dwarf—Ten Weeks.** An improved strain of the German Ten Weeks. Flowers very large and double. Plant of dwarf habit, blooms profusely, and is excellent for bedding. Mixed colors. ⅛ oz. 40c., ¼ oz. 75c..10c.

267—**Double German Ten Weeks.** Fine mixed. ⅛ oz. 25c., ¼ oz. 40c., oz. $1.50..5c.

268—**Giant Perfection.** One of the finest large-flowered varieties, with large spikes of double flowers. Plant of vigorous habit, growing about two and one-half feet in height. Mixed colors....................10c.

269—**Cut-and-Come-Again.** (Princess Alice.) Plant of branching habit, producing from spring to fall a profusion of pure white double flowers. ⅛ oz. 75c..10c.



Lower Flower 1-2 Actual Size.
EMPEROR SALPIGLOSSIS.

SALPIGLOSSIS - VELVET FLOWER.

A lovely class of half-hardy annuals which should be more generally cultivated. Flowers funnel-shaped, of beautiful and varied colors, exquisitely marbled and veined; in bloom from August to October. 1½ to 2 ft.

270—**Choice Mixed**..........................5c.

271—**NEW EMPEROR.** This forms only one leading stem, which often grows as thick as one's finger and bears on its end a bouquet of the most beautiful flowers. These are richly veined with gold and much larger than those of the old type. There is as much difference between the "Emperor" variety and the old type as between the improved varieties of Petunias and the common. The throat is wide open and short, and the edge of the flower is not so deeply incurved as with the old type. Mixed colors..............................10c.

VERBENA.

A well-known favorite flower, which should be more generally grown from seed. If sown in the open ground in May it will bloom in August, and, of course, somewhat earlier if sown in the house in March. Half-hardy perennial trailer. 1 ft.

272—**MAMMOTH, Mixed.** Not only are the trusses of extra size, but the individual florets as well are much larger than in any of the old varieties, often greater in diameter than a silver quarter. It embraces all the colors with the markings peculiar to the Verbena. ¼ oz. 40c., oz. $1.50......10c.

273—**SCARLET DEFIANCE.** Large trusses; bright glowing scarlet........................10c.

274—**MAMMOTH WHITE.** Both truss and florets are of the largest size. Flowers are of good substance and of delightful fragrance..........10c.

275—**ITALIAN STRIPED.** The trusses of this are large, but florets are smaller than are those of preceding varieties. Each floret is distinctly striped in bright colorings embracing a wide range of shades.....................................10c.

276—**FINE MIXED.** All colors. ¼ oz. 25c., oz. 75c..5c.

277—**HYBRIDA COMPACTA.** Mixed. A distinct strain, of dwarf habit. The plant forms a compact bush about five inches in height and blooms profusely throughout the season. Trusses large; colors white, scarlet and violet.........10c.

WALL FLOWER.

The flowers of the Wall Flower are deliciously fragrant and greatly prized. The large, massive, conspicuous spikes of the Double German varieties have a charming effect, while the more bushy, compact growth and profuse blooming single ones render them exceedingly attractive. Tender perennials. 1½ ft.

278—**SINGLE, Fine Mixed**..................5c.

279—**DOUBLE, Choice Mixed**..............10c.

WILD CUCUMBER. Echinocystis Lobata.

280—A very rapid growing annual climber, reaching a height of 20 feet. Seeds germinate more freely if soaked a few hours in warm water before sowing.................................5c.

WILD FLOWER GARDEN MIXTURE.

281—This mixture is made from a large number of the best free-flowering annuals, and will be found very useful to sow in various places where there is quite an area to be filled up without much expense or labor. If properly cared for and weeds are kept out, this mixture will furnish flowers continually through the season. oz. 25c., ¼ lb. 75c..5c.

ZINNIA. Youth and Old Age.

The Zinnia has always been a popular plant on account of its freedom of bloom, bright, showy flowers, and the ease with which it could be grown. Although not a graceful plant, it is, when grown in masses or as the background to other lower-growing plants, striking and effective. Hardy annual. 1 to 3 ft.

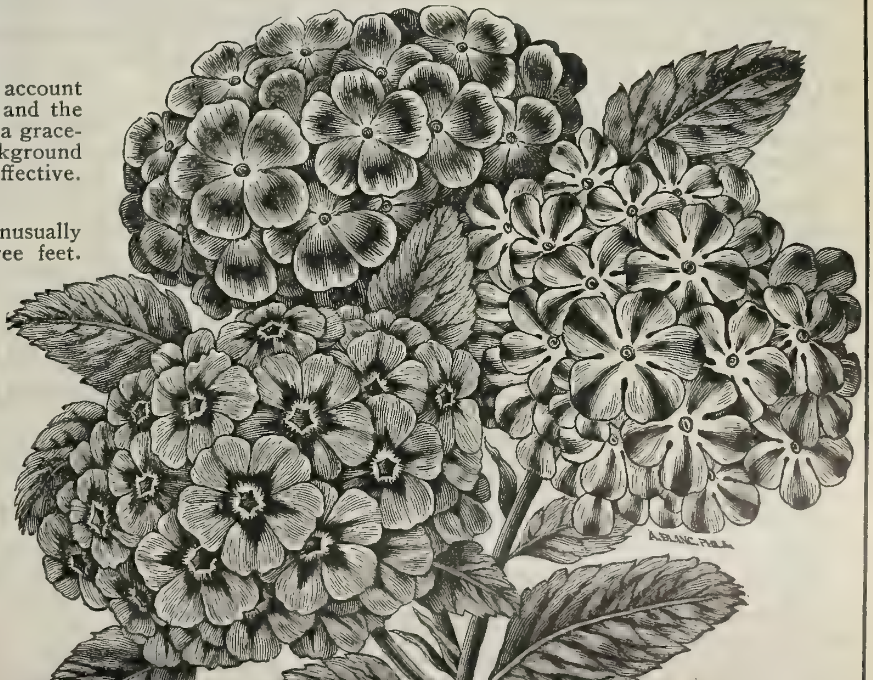
282—**MAMMOTH, Mixed.** This plant is of unusually vigorous growth, often reaching a height of three feet. The very double flowers are of immense size, about four inches in diameter, and of rich and varied color. ¼ oz. 25c., oz. 75c.............10c.

283—**CHOICE MIXED.** Not equal in size of flower to the Mammoth, but, nevertheless, a fine strain of double flowers with many brilliant colors. ....5c.

284—**STRIPED, or Zebra.** The flowers of this are striped or mottled with contrasting colors. ....10c.

285—**LILLIPUT, Mixed.** Plant grows about one foot high and bears in profusion small, very double and globular flowers about one inch in diameter of very brilliant colors................10c.

286—**HAAGEANA.** Plant of distinct growth, more slender than others, flowers a little over an inch in diameter, semi-double and single. Color deep orange. The plant is of very free-flowering habit, and the flowers are excellent for cutting. ....10c.



VERBENAS.

BULBS AND TUBERS For Spring Planting.

To no class of plants can the term *interesting* be more truthfully applied than to bulbs and tubers. The following list contains only those which are easily within the scope of the amateur, and of some it may be said that in a production of magnificently beautiful flowers with comparatively little care, they are unequaled.

BEGONIAS. Tuberous Rooted.

These are among our finest bedding plants. They, however, seem yet to be appreciated but by only a portion of those who cultivate flowers. For some unknown reason the idea seems prevalent that their cultivation is difficult. We do not so consider it. They require a well enriched soil, a location partially shaded, and protection from severe winds. The soil should be moist but never soggy. Given these conditions, their culture is simple and easy. For best results, tubers should be started early in the house and then be planted out only when danger of frost is past. They will come into flower very soon and bloom profusely and continuously until frost. The tubers can then be taken up and stored in dry sand in a moderately warm place.

The flowers are marvels of beauty—delicate yet brilliant, of beautiful form and very large, often measuring, when conditions are favorable, over four inches in diameter. In color they are extremely varied, ranging from pure white through many shades of pink and rose to scarlet and deep crimson, and from pale yellow to deep orange. The foliage is remarkably clean and healthy, varying in form, deep green, presenting a very pleasing contrast with the bright flowers.

Single Varieties. White, Pink or Rose, Red and Yellow. Each, 10c. Doz. $1.00. Postpaid.

Double Varieties. Same colors. Each, 15c.; 3 for 40c. Doz. $1.50. Postpaid.

CALADIUM ESCULENTUM. Elephant's Ears.

A very large-leaved tropical plant of rapid growth. In warm, rich, moist soil a single bulb will send up from three to ten stalks four to five feet in height, each having a leaf three to four feet long and nearly as wide. Very ornamental, planted either singly or in groups.

Extra Large Bulbs. Each, 20c.; 3 for 50c. Postpaid.
Second Size Bulbs. Each, 15c.; 3 for 40c. Postpaid.

Per Dozen, by Express. { Extra Large, $1.50.
Second Size, $1.25.

CANNAS.

For peculiarly beautiful flowers, with rich, brilliant and diverse colors and stately foliage, no plant exceeds the Canna. Planted in masses on the lawn, no other plant is its equal in striking decorative appearance, and it is at present probably the most popular of all bedding plants, even exceeding in popularity the old-time favorite. the Geranium; a thing of interest from the time the first leaves begin to unfold, and blooming continuously until cut down by frost. It is also an exceptionally fine pot plant either for summer or winter blooming; if desired for the latter purpose it can be grown in the garden or bed, and before danger of frost can be lifted and potted with but a little check to the plant, and will continue to grow and bloom through the winter.

We offer a choice selection of the best varieties: strong, dormant roots, with two or three eyes. (Late in the season we are sometimes obliged to send growing plants.

Each, 10c., 3 for 25c., dozen, $1.00. Postpaid.

A. Bouvier. Brilliant crimson, of deeper hue when fully expanded; foliage bright green; 6 feet.

Alsace. Delicate sulphur yellow, changing soon to creamy-white; the nearest approach to pure white; foliage green; 4½ feet.

Austria. A fine variety of the orchid-flowered or Italian type. Canary-yellow; foliage green, large and handsome; 5½ feet.

Burbank. Also of the Italian type; similar in color of flower and foliage to the *Austria;* 5 feet.

Chas. Henderson. Deep but brilliant crimson; foliage broad, a rich deep green with narrow margin of bronze; 4 feet.

Flamingo. Clear intense crimson, large flowers borne in immense trusses and in great profusion.

Florence Vaughan. Yellow, spotted with red; foliage green; a popular variety; 4 feet

Grand Rouge. A gigantic dark-leaved variety, often attaining a height of over 8 feet. Very desirable for massing. It also bears freely bright scarlet flowers of fair size which adds to its value.

Italia. A beautiful large orchid-like flower, brilliant red in center with a wide irregular margin of yellow; foliage green; 5 ft.

Madame Crozy. A very popular variety; crimson-scarlet, bordered with golden-yellow; foliage bright green, broad and massive. Although of vigorous growth, the plant seldom exceeds 4 feet in height, and often commences to bloom when about a foot high.

Morning Star. Yellow, spotted with maroon; somewhat similar to *Florence Vaughan* but does not grow as tall.

Paul Marquant. Rich salmon shaded with rosy carmine; foliage dark green; a distinct and pleasing variety; 4 feet.

Peachblow Pinkish-white, changing to rose, with a distinct blotch of deeper shade at neck; foliage green; of dwarf habit.

Queen Charlotte. Bright orange-scarlet, widely edged with golden-yellow; a popular variety; of dwarf habit.

Robusta. A tall variety with ornamental dark foliage; 7 to 8 ft.

Shenandoah. A splendid red or bronze leaved variety, beautifully veined and tinted. It bears fine large trusses of waxy-pink flowers and, unlike other dark leaved sorts, blooms early and abundantly.

Mixed. All varieties, doz. 75c., postpaid; hundred by express, $5.00

Fairy Lilies or Zephyr Flowers. (Zephryanthes.)

These are a section of the large and beautiful Amaryllis family. Only one or two varieties are generally known or to any extent cultivated, and none to the extent to which their beauty warrants. They are desirable both for garden and pot culture and are among our most easily grown plants. They are easily kept over winter, treated in the same manner as the Gladiolus.

Rosea. Beautiful rose-pink; one of the oldest and best; blooms all summer. Each, 5c.; 3 for 10c.

Floribunda. A new variety, bearing flowers usually in pairs, nearly as large as some varieties of Amaryllis. These are rich golden yellow, and of a very peculiar fragrance. A pleasing novelty. Each, 8c.; 3 for 20c.; doz. 60c.

Candida; Pure white flowers, which are smaller but more freely produced than those of the other varieties. Each, 5c.; 3 for 10c.; doz. 35c.

Montbretia.

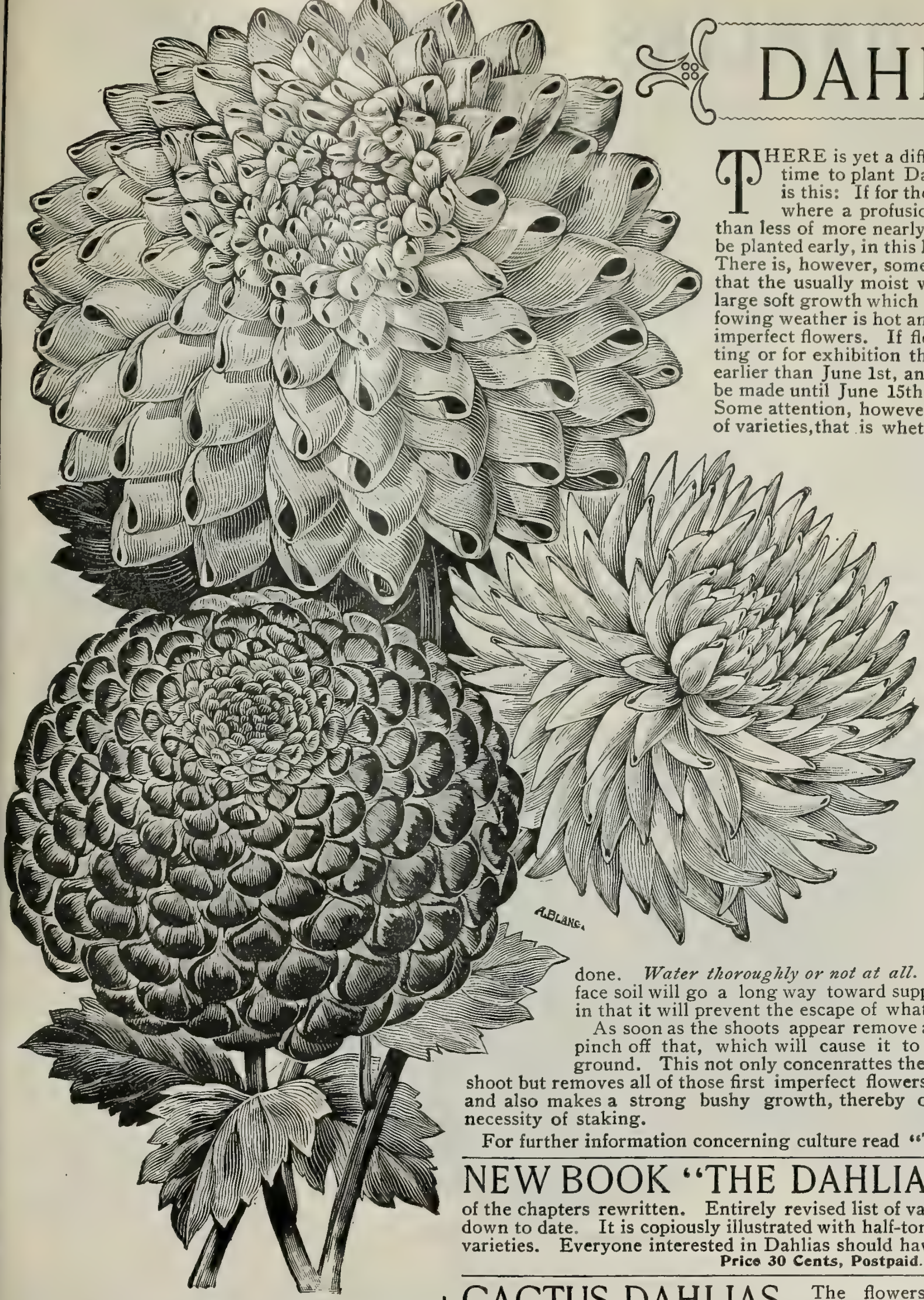
When grown in masses this makes a very effective display. The flowers run from orange scarlet to deep orange, and are abundantly produced during the latter part of the summer. It succeeds everywhere, requires little care, and propogates rapidly. Each, 5c.; 3 for 10c.; doz. 30c.; postpaid.

Summer-Flowering Oxalis.

We know of no plant more suitable than this for edging borders, beds, walks, etc. It is also very desirable for massing, making an attractive and effective display. It blooms quickly after planting, and continuously and profusely through the season, and were there no flowers the beautiful clover-like foliage would alone entitle it to a place in the garden.

Dieppi. Pure white with violet shading.
Lasiandra. Rose-pink; foliage beautifully cut and distinct from the preceding.

Each of above, large bulbs, doz. 10c., 25 for 15c., 100 for 40c. Smaller bulbs (which we find are nearly as satisfactory), pkg. of 100 or more, 15c.



DAHLIAS

THERE is yet a difference of opinion as to the best time to plant Dahlias. Simply stated the case is this: If for the purpose of garden decoration where a profusion of bloom is desired rather than less of more nearly perfect flowers then they may be planted early, in this latitude from May 10th to 25th. There is, however, some danger in very early planting that the usually moist weather of spring will cause a large soft growth which may be severely checked if following weather is hot and dry, resulting in many very imperfect flowers. If flowers are desired only for cutting or for exhibition then the planting should be not earlier than June 1st, and planting of roots may safely be made until June 15th, and of plants until July 1st. Some attention, however, should be given to the habit of varieties, that is whether they bloom early or late, which would, of course, if of the latter nature, modify to some extent the above directions for late planting.

Plant in full exposure to the sun in soil thoroughly and deeply worked and well enriched, six to eight inches deep, in rows four feet apart and from two to three feet apart in the rows, but always the latter distance if finest specimens of bloom are desired.

Cultivate often and deeply at first, but stir the soil to the depth of one or two inches only when plants commence to bloom. Stir it often, however, and *never allow the surface to become hard.*

During a very dry period it may be beneficial to give the plants water; but we believe that it is more often the case that artificial watering of this and other plants is harmful rather than helpful, in that it is generally so insufficiently done. *Water thoroughly or not at all.* Constant stirring of the surface soil will go a long way toward supplying the necessary moisture, in that it will prevent the escape of what is already there.

As soon as the shoots appear remove all but the strongest one and pinch off that, which will cause it to branch at the surface of the ground. This not only concenrattes the strength of the root in this shoot but removes all of those first imperfect flowers common to some varieties, and also makes a strong bushy growth, thereby obviating to some extent the necessity of staking.

For further information concerning culture read **"The Dahlia"**

NEW BOOK "THE DAHLIA"

Third and revised edition, greatly enlarged, several of the chapters rewritten. Entirely revised list of varieties, which is brought right down to date. It is copiously illustrated with half-tones showing the new types and varieties. Everyone interested in Dahlias should have a copy.

Price 30 Cents, Postpaid.

CACTUS DAHLIAS.

The flowers of the cactus type are all rather loosely arranged, have long pointed revolute petals, often curved and twisted like those of the Japanese Chrysanthemum and many of the latest introductions would be more appropriately termed Chrysanthemum Flowered. Although loosely built, they are perfectly double; are large, many have long stems and such are among our most desirable flowers for house decoration. The latest introductions especially are very artistic and graceful; unique and beautiful beyond description. To those acquainted only with the older ball type it seems a revelation when seeing for the first time a collection of these, to learn that they are Dahlias. Many of the varieties are extremely profuse in bloom and are threfore desirable for garden decoration.

NOTE.—Early orders will probably be filled entirely, and the larger portion of later ones, with roots; but in case our stock of roots of any variety is exhausted we will send pot grown plants. This will enable us to fill orders in full and we think will be more pleasing to customers than either a substitution of other varieties or a return of the remittance. Plants will be strong and well-rooted and customers may rely on them as equally certain to give satisfactory results. They are in some rerpects more desirable, and especially so when planting has been deferred until very late in the season, there being considerable time gained by their use instead of roots.

CACTUS DAHLIAS

NEW VARIETIES

Price, Each 20 Cents, Dozen $2.00, Postpaid.

Arachne. This derives its name, meaning spider, from the peculiar curled and twisted petals and is of very unique form. The petals are creamy white, edged with a broad band of crimson. The color however varies as much as the form; rarely two alike.

Bridesmaid. Pale primrose, shading to delicate rose toward the outer petals; beautiful form and blooms freely.

Britannia. Deep shaded salmon flesh, stems stout; blooms early and freely.

Capstan. Soft brick-red shaded apricot; with the exception of Countess of Lonsdale the most free-flowering variety.

Chas. Woodbridge. A magnificent flower; rich crimson purple.

Countess of Lonsdale. One of the best, exceeding in free blooming habit any other variety of this class. Large to very large, salmon-red.

Earl of Pembroke. Also one of the best, large petals long pointed and regularly arranged; bright plum, deeper and more velvety toward the center. Blooms profusely.

Exquisite. Rightly named. Flowers large, of perfect form; pure orange scarlet with salmon shadings; very free.

Firebrand. Flowers of fine form. Rich deep red, approaching crimson.

Furst Bismarck. Distinct and striking, blooms profusely, large; rosy crimson with beautiful bluish sheen.

Harmony. A lovely combination of harmonious shades from old-gold to orange red.

Hunold. Flowers of ideal Cactus form; large, always full to the center. Blooms early and profusely.

Kingfisher. Blooms very early and profusely. Flowers have long stems and keep much longer than other cactus varieties. Of elegant and artistic form, petals curved in a strikingly irregular manner, color purplish-crimson.

Konigen Wilhemina. Deep crimson, richly shaded, of fine form. Blooms freely and continuously.

Lady Edmund Talbot. Terra-cotta, shaded salmon; of perfect form.

Mrs. Chas. Turner. Of immense size, pure yellow. Blooms freely.

Miss Webster. White, slightly tinted with rose on the reverse of the lower petals; large, of fine form. Very profuse.

Mr. Moore. Deep claret, shaded maroon, sometimes maroon with claret stripe through center of petal. Always of perfect form. Blooms early and profusely. One of the best.

Mrs. Barnes. Long twisted narrow petals, lovely clear primrose, shading to a pale rosy pink.

Porcupine. A favorite with us. Of unique and beautiful form. Deep crimson; very profuse.

Ruby. Deep vermillion center, shading to a purplish tinge at tip of petals. Rich and showy and perfect in form.

Strahlein Krone. Intense cardinal-red very rich. Petals long and twisted. Blooms very early and profusely.

CACTUS DAHLIAS GENERAL COLLECTION

Price, Each 15c., Doz. $1.50, Postpaid

Blanche Keith. Beautiful pure yellow; of largest size.

Countess of Radnor. Delicate salmon-rose.

Cycle. Bright rosy crimson; early and profuse.

Delicata. A beautiful true Cactus variety. Light salmon at base of petals, shading to a delicate pink.

Ernest Cannell. Large, soft red; fine form.

Geo. Marlowe. Primrose-yellow, shaded amber.

Gloriosa. Large; long, pointed, twisted petals; vivid carmine-scarlet. Very striking.

Henry Stredwick. Rich velvety maroon; Petals long and narrow. An exquisite flower.

Henry F. Michell. Of immense size and irregular form; petals long, broad and twisted. In color ranging from soft yellow to deep orange.

Hohenzollern. Rich, bronzy orange-red with golden sheen; very fine.

Iona. A rich terra-cotta, shading to orange. Long stems, profuse.

John T. Roach. Beautiful light-yellow. Of perfect form.

John Welch. Rich glowing crimson. Of largest size with long-pointed petals. Blooms freely, fine.

Matchless. A grand variety. Of branching habit, dwarf but strong; blooms extremely early and profusely. Flowers large; rich crimson overlaid velvety maroon.

Mrs. Bennett. Flowers large and well built, with broad but well-curled petals; soft crimson.

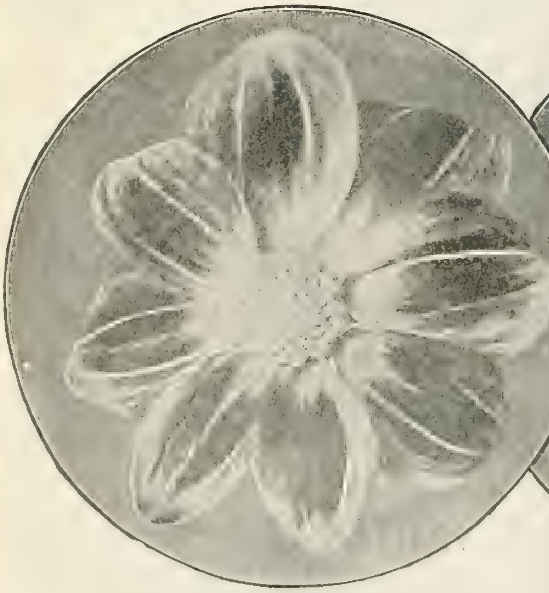
Mrs. A. Beck. Of true Cactus form with long, twisted petals, rich salmon-red with scarlet reflex.

Mrs. Peart. A true Cactus variety and entirely distinct; creamy white.

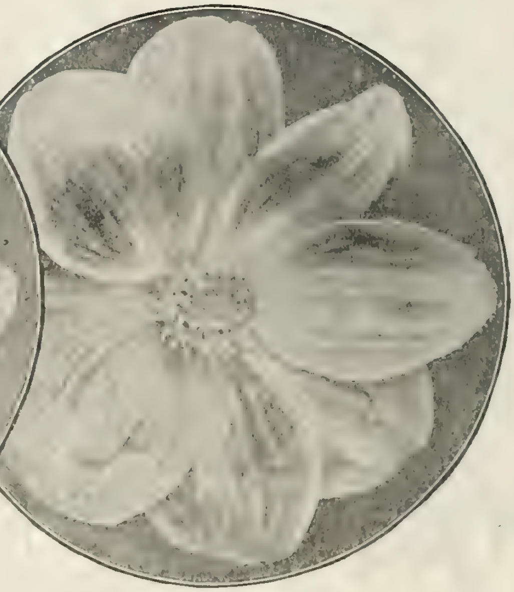
Nibulunger. Red overlaid with bluish shade; petals finely quilled. A very pleasing variety and entirely distinct.

Professor Baldwin. Deep orange-scarlet; Excellent.

St. Catherine. True Cactus, with long, spiral, pointed petals; very large; deep yellow, shaded red.



20th Century, Photographed in August



20th Century, Photographed in October

New Orchid-flowered Single Dahlia

20th CENTURY.

A unique variety. Entirely distinct from all other single Dahlias. The color is intense rosy crimson with white tips and white disc around a yellow center. As the season advances, the dark-colored zone becomes lighter and the color contrast exquisitely lovely. The color does not fade or change like many other flowers but each succeeding flower opens lighter and lighter until in September the deep colored zone becomes a beautiful pure pink; toward October this zone becomes delicate pink and in October the flower is pure white delicately suffused blush pink as shown in the photograph. It will be readily seen that one great merit of this variety is that practically there is every week a new flower. It blooms very early and continuously until frost, flowers have very long stems and are from 4½ to 6 inches in diameter. It is a beautiful Dahlia and should be in every collection. Each 30c., 4 for $1.00, postpaid.

Other Single Flowered Varieties. Including 20th. Century Seedlings and many others; our selection. 3 for 40c., doz. $1.50, postpaid.

Decorative Dahlias

These are sometimes termed Decorative Cactus, and the class includes all large loose-flowering varieties which do not properly belong to the Cactus class. They are of very free-blooming habit, rivaling if not excelling the Cactus varieties in this respect, and flowers are usually of the largest size.

THREE NEW DECORATIVE DAHLIAS

Mrs. Roosevelt. A giant, six to seven inches in diameter, delicate blush-pink. Resembles Grand Duke Alexis, but is much superior. Plants only. Ready in April. Each 30c., 3 for 75c.

Frank L. Basset. The nearest approach to a Blue Dahlia; bright royal purple with bluish-shading. Large and of fine form. Plant always a mass of bloom. Each, 25c., 3 for 60c.

Eureka. Blooms very early and profusely. Large and of fine form. Long stems. Beautiful deep rose. A perfect Dahlia. Should be in every collection. Each, 30c., 3 for 75c.

DECORATIVE DAHLIAS *GENERAL COLLECTION*

Price, Each, 15 cents, Dozen $1.50, Postpaid.

Admiral Dewey. Brilliant imperial purple.

Antietam. Large, perfect form. Intense red.

Asia. White suffused lavender.

Black Prince. Large, of perfect form. Intense velvety maroon, almost black.

Bronze Beauty. Golden yellow overlaid with bronze.

Clifford W. Bruton. The best yellow.

Claribel. An exquisite variety. Very large; bright royal purple.

Countess of Pembroke. Soft rosylake; profuse.

Cyclops. Rosy crimson, richly shaded; large.

Dr. Masters. A fine delicate pink; distinct.

Evadne. Soft, rich, primrose-yellow, tipped creamy white, sometimes delicately edged and tinged soft pink. Constantly in bloom.

Grand Duke Alexis. A magnificent flower of largest size and distinct form. Pure white, faintly tinged with delicate pink.

Henry Patrick. Pure white; large, good stems

Lemon Giant. Of immense size; pure lemon. Blooms freely.

Lucile. Rich in color and beautiful in form; old gold shading to orange, reflex shaded amber. Profuse.

Lyndhurst. One of the best bright scarlets; large full center. Long stems.

Miss Barry. Large; beautiful color, deep roselake.

Nymphæa. The Waterlily Dahlia. Clear, distinct, light shrimp-pink; lighter toward the center.

Oban. Very large; distinct, rosy lavender, overlaid with delicate, silvery fawn.

Perle d'Or. The best white Decorative Dahlia. Very large; of beautiful and peculiar form.

William Agnew. One of the finest reds. Large and of perfect form. Always a mass of bloom.

ADMIRAL SCHLEY.

FANCY DAHLIAS

This class includes all striped, large, close-flowering varieties and also those in which the ground color is darker than the edges. These varieties are however somewhat variable and often show but a single color.

Three New Fancy Dahlias

Admiral Schley. A seedling of American Flag and a great improvement on that popular variety. It is of same color and marking—bright crimson with a broad white stripe through the center of each petal—but much larger and blooms as freely. Each, 30c., 3 for 75c., postpaid.

Judah. Distinct and very pleasing. Sometimes solid primrose-yellow, often primrose-yellow shaded and suffused old gold or penciled snd striped crimson and sometimes solid crimson. All these types often appear on the same plant. Each, 15c., 4 for 50c., postpaid.

Olympia. One of the grandest Fancy Dahlias to date. Of immense size, measuring 6 to 7 inches across, and, owing to the great length of the petals when opening, there is never a green center, even when the buds are first expanding. Color, deep rose-pink, striped and penciled with rich crimson. Each, 25c., 3 for 60c., postpaid.

FANCY DAHLIAS. General Collection.

Each, 15 cents, Dozen $1.50, Postpaid.

Ben Butler. Rich maroon, tipped white, always perfect.

Chang. Very large; salmon buff, striped crimson.

Decorator. White, suffused pink, spotted and penciled with crimson.

Elegans. Rosy purple, tipped and banded white.

Frank Goodman. Dark, rich purple, tipped white. Distinct.

Frank Smith. A supurb variety. Rich, purplish maroon, tipped blush white.

Gen. Grant. Very large; yellow suffused amber, striped crimson.

Gilt Edge. Pure white, margined with deep gold.

Grand Sultan. Very large; salmon buff, penciled and spotted crimson.

Harlequin. Brilliant crimson, shaded darker, striped and tipped pure white.

Jarkosky. A beautiful mottled variety; crimson, yellow and white.

Mrs. Stancombe. Straw-yellow, suffused amber, striped red, mottled and tipped blush white.

Penelope. White, flaked lavender. A lovely variety.

Rudolph Kahl. Dark, velvety maroon, tipped white; very profuse.

Silver Tip. Pure canary yellow, tipped white.

SHOW DAHLIAS

Show Dahlias are identical in form with the Fancy, are often included in the same class and differ in including only varieties of a single color, and those of which ground color is lighter than the tips.

Three New Show Dahlias.

Each, 25c., the 3 for 60c.

Aleta. This is not only one of the earliest to bloom, but the most profuse and continuous. Although the flowers are rather small they are of perfect form and good color—a soft pink. Its early and profuse blooming entitles it to a place in every collection.

Black Diamond. A seedling of Black Prince, blooming much earlier and more profusely. The color also is darker. almost jet black at first, gradually changing to a very dark maroon as the flower expands. Large, of fine form and good substance.

Red Hussar. Large flowers, of purest cardinal-red without trace of purple or crimson. Of finest form and good substance. Long, slender but stiff stems. Best red for cutting.

Show Dahlias GENERAL COLLECTION

Each, 15c., dozen $1.50, postpaid

A. D. Livoni. The best pink; blooms early and continuously.

Arabella. Pale primrose, tipped and shaded old rose and lavender; large.

Constancy. Very large; yellow edged and tipped bright red.

Crimson Ball. Bright crimson-purple.

Eclipse. Brilliant scarlet.

Emily. Large and beautiful flower; varies from mauve to white.

Emily Edwards. Beautiful, white suffused pink.

Ethel Britton. Large, beautiful form; white, suffused and overlaid with soft lavender-pink.

Geo. Smith. Large and of perfect form, crimson.

Golden Ball. Very large pale golden yellow.

Hero. Deep crimson-maroon, large; blooms profusely.

Honest John. Brilliant purple-maroon, richly shaded, often with some petals much darker than others.

Magnificent. Pure light yellow, very delicately edged red.

Mary D. Hallock A fine yellow quilled variety.

Miss May Lomas. White suffused soft lavender; Blooms freely.

Mrs. Dexter. Very large, a rich shade of salmon.

Mrs Gladstone. One of the best, delicate blush.

Mrs. Langtry. Excellent, cream-peach and purple.

Mrs. N. Halls. Very large, deep crimson-purple.

Model of Perfection. Rosy lavender; long stems; extremely profuse.

Psyche. Pale primrose, shaded rose; profuse.

Purity. White, large and of perfect form.

Queen of the Belgians. Very delicate blush-pink; early and profuse.

Ruby Queen. Ruby red, richly shaded; large, long stems; profuse.

Sir Chas. Mills. Large, pure yellow; one of the best.

Storm King. (Blizzard.) A new snow-white variety. Extremely early; very profuse and constant.

Pompon or Boquet Dahlias

We have a fine assortment of these, including the best of recent introductions. Our selection of distinct varieties will be sure to please. Customer may name color when only a few are desired. Each, 12c., dozen, $1.25, postpaid.

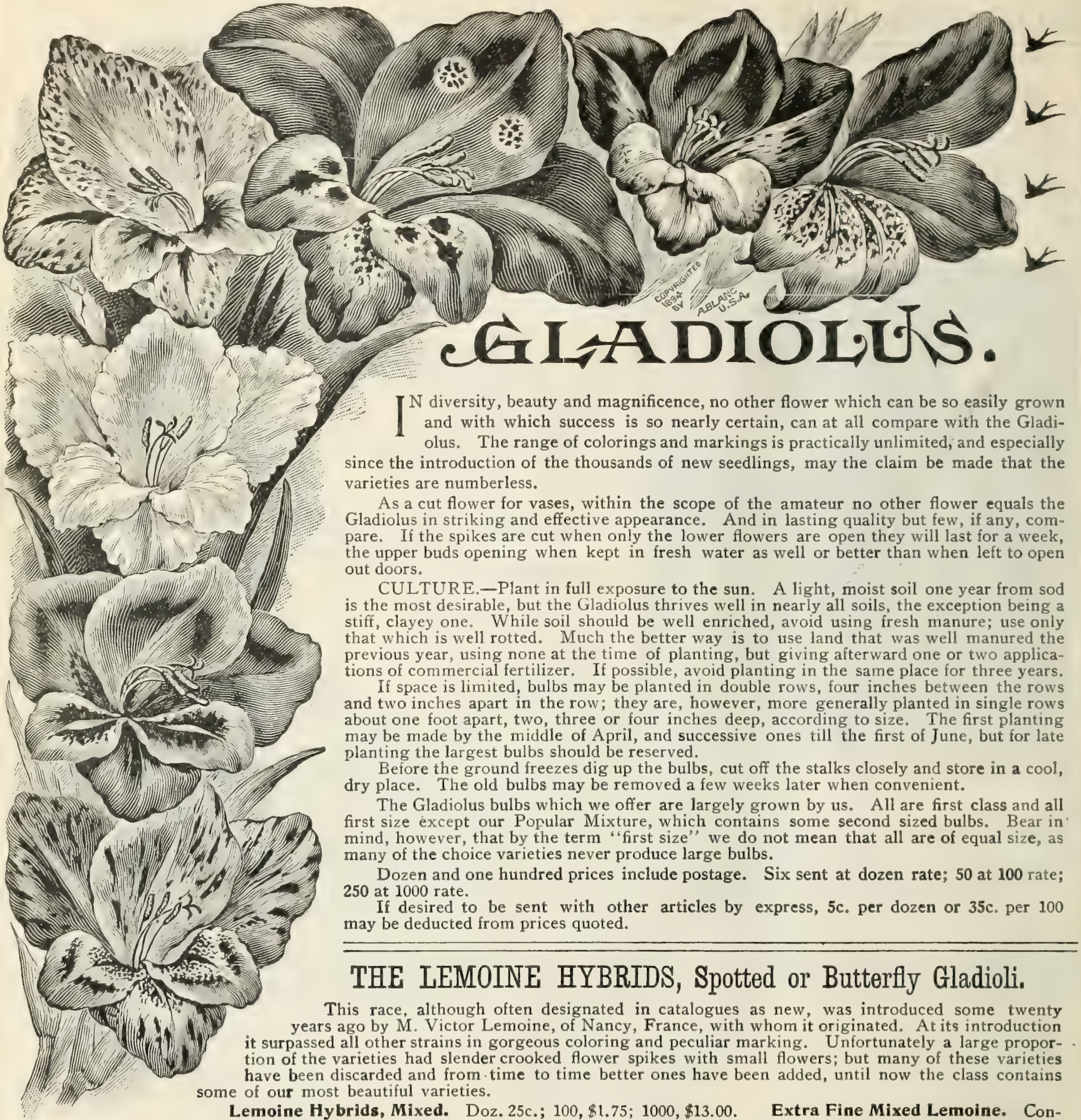
SPECIAL OFFER OF NAMED VARIETIES. Our Selection.

Dozen, $1.25, 25 for $2.50, postpaid, 25 by express $2.00.

Besides the many varieties named here we have to offer as many more which want of space prevents us offering under name. Some are new, and some are fine old varieties. Usually, some of all classes: Cactus, Decorative, Fancy, Show and Pompon will be included, but we will, as much as possible, modify the selection to suit the customer, although we cannot guarantee to always conform to his choice.

MIXED DAHLIAS.

A fine range of colors and first-class roots. Dozen, 75c., 25 for $1.50 100, $5.00, by express only.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GLADIOLUS.

IN diversity, beauty and magnificence, no other flower which can be so easily grown and with which success is so nearly certain, can at all compare with the Gladiolus. The range of colorings and markings is practically unlimited, and especially since the introduction of the thousands of new seedlings, may the claim be made that the varieties are numberless.

As a cut flower for vases, within the scope of the amateur no other flower equals the Gladiolus in striking and effective appearance. And in lasting quality but few, if any, compare. If the spikes are cut when only the lower flowers are open they will last for a week, the upper buds opening when kept in fresh water as well or better than when left to open out doors.

CULTURE.—Plant in full exposure to the sun. A light, moist soil one year from sod is the most desirable, but the Gladiolus thrives well in nearly all soils, the exception being a stiff, clayey one. While soil should be well enriched, avoid using fresh manure; use only that which is well rotted. Much the better way is to use land that was well manured the previous year, using none at the time of planting, but giving afterward one or two applications of commercial fertilizer. If possible, avoid planting in the same place for three years.

If space is limited, bulbs may be planted in double rows, four inches between the rows and two inches apart in the row; they are, however, more generally planted in single rows about one foot apart, two, three or four inches deep, according to size. The first planting may be made by the middle of April, and successive ones till the first of June, but for late planting the largest bulbs should be reserved.

Before the ground freezes dig up the bulbs, cut off the stalks closely and store in a cool, dry place. The old bulbs may be removed a few weeks later when convenient.

The Gladiolus bulbs which we offer are largely grown by us. All are first class and all first size except our Popular Mixture, which contains some second sized bulbs. Bear in mind, however, that by the term "first size" we do not mean that all are of equal size, as many of the choice varieties never produce large bulbs.

Dozen and one hundred prices include postage. Six sent at dozen rate; 50 at 100 rate; 250 at 1000 rate.

If desired to be sent with other articles by express, 5c. per dozen or 35c. per 100 may be deducted from prices quoted.

THE LEMOINE HYBRIDS, Spotted or Butterfly Gladioli.

This race, although often designated in catalogues as new, was introduced some twenty years ago by M. Victor Lemoine, of Nancy, France, with whom it originated. At its introduction it surpassed all other strains in gorgeous coloring and peculiar marking. Unfortunately a large proportion of the varieties had slender crooked flower spikes with small flowers; but many of these varieties have been discarded and from time to time better ones have been added, until now the class contains some of our most beautiful varieties.

Lemoine Hybrids, Mixed. Doz. 25c.; 100, $1.75; 1000, $13.00. **Extra Fine Mixed Lemoine.** Contains only improved and named varieties. Doz. 40c.; 100, $2.75; 1000, $22.00.

THE CHILDSI, or Max Leichtlin Hybrids. Giant Gladioli.

This class originated in Baden Baden, Germany, and was the work of the noted bulb grower Max Leichtlin. At the time of its introduction it surpassed all other strains both in size of spike and flower and was of strong, vigorous habit. The range of colors was not great, but there were many new shades of the slaty or smoky-blue type. There has been considerable improvement since its introduction, the work of the introducer in this country, and some of the new seedlings are very fine and all are very large flowered, but there is yet a lack of good white and light varieties. This should by no means prevent any from giving this strain the place it deserves nor from planting it, and we only mention the fact to prevent disappointment to those who, ignorant of it, might plant expecting the usual proportion of such colors.

Choice Mixed Childsi. Contains many new seedlings as well as the best of the earlier introductions. Doz. 40c.; 100, $2.75; 1000, $22.00.

Gladioli and Dahlias should, if possible, have a place in every garden. As indicated by the space we devote to both, we make a specialty of these flowers.

GLADIOLUS — Continued

Groff's Hybrid Seedlings

This new strain was originated by Mr. H. H. Groff, of Simcoe, Canada, and although it comprises only his first introductions it surpasses the work of all other originators in great vigor of plant and equals, if not excels, all others in diversity of colors and markings, except the World's Best or Gold Medal strain and possibly the latest work of M. Lemoine. It contains colors hitherto unknown to commerce, including shades of Lilac, Lavender and Clematis, not found in any other class except the World's Best. The only fault which might be found with it is that with all its great diversity there is a dearth of light shades, especially those in which a white ground predominates. (This, however, is remedied in the later work of Mr. Groff—the World's Best strain following—section 2 containing many white and light shades of wonderful beauty and excellence, far surpassing most of the best old-named varieties.) The great diversity of dark colors and the peculiar and novel shades approaching blue, make these Seedlings well worthy a place among the best Gladioli. The low price at which we now offer them makes it possible for many to have these seedlings who hitherto did not feel that they could afford them, and with the addition of some of the light shades of the following class the mixture would afford a very pleasing diversity.

Groff's Hybrid Seedlings, Mixed. Doz. 40c.; 100, $2.75; 1000, $22.00.

Groff's "World's Best" New Hybrid Seedlings

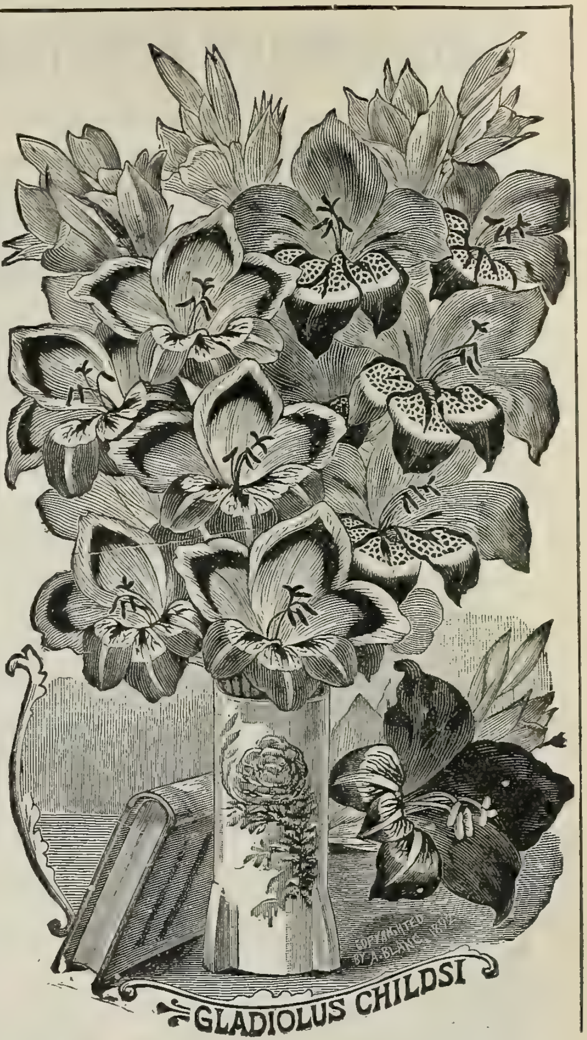
OR GOLD MEDAL STRAIN.

The World's Best strain represents some of the later work of the famous hybridizer and far surpasses any other of the world's commercial strains in diversity and in novel and peculiar beauty. In section 3, especially, are shades never before known to commerce, and the three sections combined afford an unequaled collection of the most desirable varieties yet offered to the public. With the exception of the Gold Medal Collection and Groff's Special Selections, not yet generally offered, the World's Best is the latest of Mr. Groff's introductions, and is without doubt the best strain in commerce.

1. Newest Reds, Scarlets, and Crimsons. Doz. 60c.; 100, $4.00.

2. New White, Light and Yellow. All shades of white, cream and yellow in many combinations, relieved by stains and blotches of rich colors in most pleasing contrasts. Doz. 70c.; 100, $5.00.

3. Rare Blues, in Clematis, Lilac, and Heliotrope Shades. New Hybrids of Papilio Major, practically unknown. Not to be found in any other strain. Doz. 70c.; 100, $5.00.



GLADIOLUS CHILDSI

A NEW RACE—NANCEIANUS

This new race comprises the latest work of M. Lemoine. It differs from the Lemoine Hybrid's class in having much larger and well expanded flowers with more pointed petals and spikes also are taller and of stronger growth; both flowers and spikes more closely resembling those of the Childsi. It fully equals, if not excels, the Lemoine Hybrids in diverse beautiful and unique markings and greatly surpasses the Childsi in this respect and in size and form of flower and in size of spike and habit of growth to which we have referred, is greatly superior to the Lemoine Hybrids and at least approaches the Childsi, if not equal to it, in these desirable features. The class is destined to occupy a prominent place in this large family of beautiful flowers.

Choicest mixture, of named varieties only: Doz. 70c.; 100, $5.00.

MIXTURES OF GLADIOLI

OUR WORCESTER MIXED.

This mixture, prepared by us, comprises many named varieties, selections from all the various classes—Lemoine, Childsi, Groff's Hybrids, Extra White and Light, etc., and also selections from the strains known as Burbank's California Select and Gray's Ingleside Hybrids. It is our aim to offer a mixture at a reasonable price which shall contain the most desirable varieties possible as well as one of the greatest possible diversity, not only of color but also of form or type. In its preparation many of the best old named varieties are used and also special selections from the many new hybrids and seedlings. It will, we are sure, afford very satisfactory results, and we advise its use in preference to any other mixture here offered. Doz. 50c.; 100, $3.50; 1000, $30.00.

OUR CHOICE MIXED.

This is composed largely of the older type (Gandavensis) but also includes some new seedlings differing more or less from that type. The range of colors is good, the bulbs are all first-class and first size, and our aim has been to discard all inferior varieties. It has always given satisfaction. Doz. 30c.; 100, $2.00; 1000, $15.00.

OUR POPULAR MIXTURE.

Bulbs all blooming size but not all first size. This mixture contains a proportion of varieties which increase rapidly, on which account as well as the size of some of the bulbs, we are enabled to offer it at such a low price. The range of colors is good, and although it is of course not equal in some respects to the preceding, it has since we first offered it been a popular mixture. Doz. 20c.; 100, $1.25; 1000, $9.00.

Bear in mind that our price per hundred for Gladiolus Bulbs is Post-paid. If desired to be sent by express with other goods, 35 cents may be deducted from price quoted.

MIXED GLADIOLI IN SEPARATE COLORS

White and Light Shades, Mixed. Choice Mixed. Doz. 35c. 100, $2.25; 1000, $18.00.

Choicest Varieties, Mixed. Containing only the best of this class and including Snow White, Shakespeare and many other named varieties. Doz. 50c.; 100, $3.50; 1000, $30.00.

Pink Shades, Mixed. Doz. 30c.; 100, $2.00; 1000, $16.00.

Yellow and Orange, Mixed. Doz. 50c.; 100, $3.50; 1000, $30.00.

Scarlet and Crimson, Mixed. Doz. 25c.; 100, $1.75; 1000, $13.00.

Striped and Variegated Varieties, Mixed. Doz. 40c.; 100, $3.00; 1000, $25.00.

Named Varieties for Special Purposes.

It will be noted that we do not as formerly offer a large list of named varieties. Owing to the great diversity found in our mixtures and the superiority of hundreds of the new hybrids to many or most of the old named sorts we no longer consider it necessary or advisable. We offer the following mainly because of their adaptability to special purposes as indicated in descriptions.

Brenchleyensis. Vermillion-scarlet; long spike. The best variety for planting among shrubs. Doz. 25c.; 100, $1.50; 1000, $10.00.

Snow White. The nearest approach to pure white having only a faint tinge of cream on lower petal. A beautiful variety; this and the following sorts are the best of their class for the florist and also for the garden. Each 15c., doz. $1.50.

Shakespeare. A fine old variety; white, very slightly suffused carmine-rose; spike long; blooms early. This next to Snow White is considered by many the best white sort. Each 10c., doz. $1.00; 100, $7.50.

Augusta. Nearly white, having only a tint of pink in throat. It is more productive than Shakespeare often having two or three spikes of bloom, many of which are branching. Each 10c., doz. $1.00. 100, $7.50.

John Bull. White slightly tinted with sulphur, a beautiful variety which, although it has not a large spike, has been very largely used by florists. Each 5c.. Doz. 35c., 100, $2.50, 1000, $20.00.

Collections of Gladioli.

Gladioli to be fully appreciated should be grown in large quantities, but this however is not possible for all. It has been our experience that nearly all when buying a small quantity of bulbs desire to secure such as will give them the greatest diversity possible. While our mixtures will afford this when planted in quantity, it is of course impossible for us, when only a limited number is purchased to guarantee that there shall always be the desired diversity or even that there shall be no duplicates. We therefore offer the following two collections which consist of some of the best old named sorts and special selections of the new seedlings. Each of these collections will afford the greatest range of colors, markings and forms possible for the number of varieties.

Collection No. 1. Twelve distinct and diverse varieties. 60c. postpaid.

Collection No. 2. Twenty-five distinct varieties permitting a wider selection. $1.00 postpaid.

TUBE ROSE

Bulbs may be started in the house for early flowers, or they may be planted in the open border, but not earlier than June in this latitude.

Excelsior Dwarf Pearl. This is an improved strain, plant is of dwarfer habit, blooms earlier and flowers are more double than old strain. Our bulbs are sure to please.

Extra large Bulbs. Each 4c., 3 for 10c., doz. 40c., 25 for 70c. postpaid. By express, 50 for $1.00; $1.75 per hundred.

Medium Size. Each 3c., 4 for 10c., doz. 25c., 25 for 45c. postpaid; 100 by express $1.35.

MADEIRA VINE. A rapid, beautiful climber, with wax-like light green leaves and feathery, white flowers, with fragrance resembling Mignonette. Of easiest culture, plant when danger of frost is past. Each 5c., 3 for 10c.; doz. 35c.; postpaid.

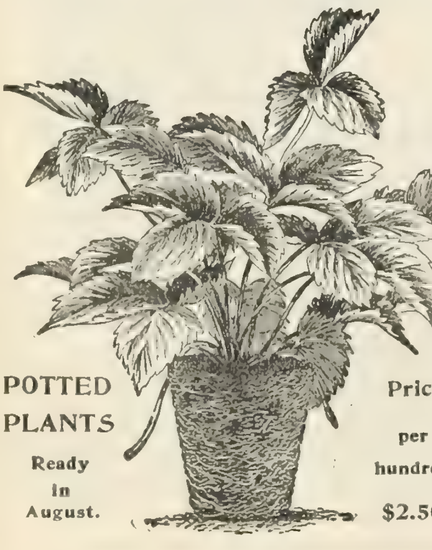
PEONIES

This magnificent class of plants interest in which has in the last few years revived, is well worthy a place in every garden; few plants excel it for a striking, effective appearance in the border or in clumps or singly on the lawn. Thus far there seems to be no disease or insect which affects it. It is entirely hardy, and but few plants can be so easily transplanted, either in spring or fall, with an almost certainty of living.

Named varieties, our selection, various shades of rose and pink. Each 25c.; doz. $2.50.

Named varieties, double red or double white. Each 35c.; doz. $3.50.

If by mail add 5 cents each to price.



POTTED PLANTS

Ready in August.

Price, per hundred, $2.50.

Strawberry Plants — CHOICEST . . . VARIETIES

The plants we offer are of our own growing, *are always dug after order is received* and carefully packed, insuring delivery to customer in best condition possible. Their condition will be found greatly superior generally to those received from the West or South, the latter being generally sold so cheaply that the necessary care in preparing them for shipping cannot be afforded. The probable different conditions should be considered when comparing prices. We offer only a few—but the best varieties, and see no reason for offering others inferior in various respects. Varieties marked (p) have imperfect flowers and require to be grown with them some one of the others, one row in five of the latter being sufficient.

The President. This new variety is very highly recommended by those who have seen or grown it. Distinctively an all season berry, having to a remarkable degree the tendency to produce late fruit stalks, the number of which is so great that they might be termed a second crop, and the product being always of largest size and perfect form. The fruit is of the finest quality and stands shipping well. The plant is not only productive but extremely vigorous and hardy. Doz. 50c., postpaid; 100 by express $1.00.

Brandywine—A large, late and handsome berry, conical form, dark, glossy red. Plant healthy, vigorous and productive.

Bubach (P.)—Of large and uniform size, regular in form and of good color. Plant remarkably vigorous and unsurpassed in productiveness. Probably more largely planted at present than any other variety.

Clyde.—Fruit large, firm and beautiful, of regular conical shape, never varying, and holds size to end of season. Color light scarlet. Considered by some good growers to be almost a perfect variety.

Glen Mary.—A good sort for the kitchen garden. Berries conical, bright red, of fine flavor.

Marshall.—Good to set with Talbot or other imperfect flowered varieties. One of the largest and finest kinds in cultivation.

Minute Man (P.)—One of the most valuable new sorts, continuing in bearing for an unusually long time. Fruit bright scarlet, very sweet.

Sample (P.)—One of the best market berries in cultivation. Fruit of fine color and flavor.

Talbot (P.)—Fruit large, bright crimson, and of fine flavor; very productive.

Each of the above except President by mail, postpaid, doz. 40c., 100 by express, 90c. Special price by the 1000.

NITRO-CULTURE, OR THE VEST POCKET FERTILIZER

ALTHOUGH there is some difference of opinion in regard to this new discovery for gathering nitrogen from the air, we believe that is worthy of a trial by every farmer, as the cost is not large. We recommend only enough for a trial acre and especially request a report at the close of the season on the results.

A new, sure, and easy way has recently been discovered to make worn-out or poor land productive without fertilizers and almost without expense. Plants need nitrogen; they can't grow without it. Nitrogen is very necessary—is the most expensive part of fertilizers. The new way is easier, surer, cheaper—it is to let nitrogen gathering germs feed the plants.

An experiment with Vetch on Barren Ground. At the left the seed was not treated; on the right it was inoculated before planting. (*From Year Book of Dept. of Agriculture.*

The soil is full of air. Air is four-fifths free nitrogen. Think what limitless plant food, in the form of free nitrogen, the air contains. Right here the new discovery comes in. Plants can't extract large amounts of nitrogen from the air, but there are germs that can. These germs have been discovered and are now being used for that purpose.

These germs, when put into the soil, fasten themselves to the roots of the plants, draw the free nitrogen out of the air, and feed it to the plants. The germs do the work. They save expense, reduce the work, increase the crop, even make it possible to grow Alfalfa and other crops where they never would grow before.

Nitro=Culture. Nitro-Culture is put up in small dry packages you can put in your vest pocket. Simply add it to water, and sprinkle the water over the seeds before planting. The germs remain on every seed—live with it—increase about it—feed the roots when they start and keep on feeding them. They also enrich the soil by storing nitrogen in it, so that the second year's crop, whatever it may be, is increased from two to ten times.

THE U. S. DEPARTMENT OF AGRICULTURE SAYS:

"It is worse than useless to attempt to grow any leguminous crop without being certain of the presence of the bacteria which enable the plants to fix free nitrogen. Certain regions are practically devoid of the right kind of bacteria, and unless some artificial means of inoculating the germs be resorted to the crop will be a failure."

PRICE LIST.

Nitro-Culture, sufficient to inoculate the following seeds per acre, mailed to any address in the United States or Canada at the following prices:

Alfalfa per acre,	$2.00	Crimson Clover, per acre,	$2.00	Cow Peas per acre,	$2.00
Red Clover "	2.00	Japan Clover "	2.00	Garden Peas ½ "	1.00

Sweet Peas ½ acre, $1.00
Wax Beans per acre, $2.00
Soy Beans per acre, $2.00
String Beans per acre, $2.00
Vetch per acre, $2.00
Velvet Beans per acre, $2.00
Peanuts per acre, $2.00
Horse Beans per acre, $2.00
Lima Beans per acre, $2.00

Guaranteed to keep six months from date of shipment and can be used within that time.

Roots of Soy Beans, showing the nodules which collect the free nitrogen from the air and deposit it in the soil, thus making barren land productive, and after the first crop is harvested the ground is left richer and better for the next year's crop.

Do not be deceived by the stories told in some of the leading magazines which would lead you to think that Nitro-Culture will take from the air properties that make a complete fertilizer. Such is not the case. Nitro-Culture gathers nitrogen only. For general crops some complete fertilizer is just as necessary as ever.

Specimen plants characteristic of uninoculated and inoculated field of Alfalfa, on farm near Bynum, Hartford County, Maryland. The uninoculated plants turning yellow, though sown on ground richer and better than the inoculated field. Gain from inoculation with Nitro-Culture nearly 500 per cent, by weight.

Essex High Grade Fertilizers

RAISE GOOD CROPS

THE Essex Fertilizers have as a basis the Dry Fish and Fish Bone produced by the Russia Cement Co. In the process of manufacture owned by this company, and which no other manufacturer can obtain, these ingredients are manipulated in a way which renders them especially available as plant food.

This accounts for the superior availability and crop producing power of the

ESSEX FERTILIZERS.

These superior qualities have been fully demonstrated in Worcester County and vicinity, and we call your attention to the following letters from wellknown farmers and market gardeners who have tested the "Essex" in competition with the best of other leading brands.

So. Lincoln, July 17, 1902.

Dear Sirs: — This spring a party who bought two tons of Fertilizer of me, came to me and said it was the best fertilizer he ever used, and that this year he would buy all his fertilizer of me, provided I could use him as well as last year. At this writing, his crops look the best of any in town.

Yours truly,

F. E. COUSINS.

Valley Farm, So. Lancaster, Mass., Oct. 8, 1902.

Russia Cement Co

Dear Sirs: — The "Essex Fertilizer" used here has given good satisfaction. It has been used in the garden on nearly everything (with the exception of egg plant), and the results have been quite marked, both in growth and production. As a spring dressing for strawberries, it works well. I do not hesitate in saying, it is a good thing.

I remain, dear sir, yours truly,

A. P. MEREDITH, Gardener to Nathaniel Thayer, Esq.

Worcester, Mass., May 20, 1904.

Russia Cement Co.,

Gloucester, Mass.

Gentlemen: — I have handled goods grown on Essex Fertilizers ever since they have been used in this vicinity, and both from observation and what the farmers and gardeners have told me I am fully convinced that there is nothing better made for the man to use who is raising vegetables for the market, both as regards the quality and quantity.

Also one great advantage is that crops are ready for market so much in advance of others raised either on manure or other brands of fertilizers, and I advise every one who wishes to get the best crops and the best prices to use Essex High Grade Fertilizers. I am, yours truly,

D. E. BRIGHAM & CO.

Wholesale Dealers in Farm Produce. Cor. Commercial & Mechanic Sts.

Pratts Junction, Mass., Aug. 9, 1904.

Russia Cement Co.

Gentlemen: — I have to say of the Essex Fertilizers that they give the best of satisfaction and the customers I sell to once will use no other, which speaks highly for the lasting quality of Essex, and I predict a largely increased sale of your goods in the near future. Yours truly,

C. F. ADAMS.

The Essex Fertilizer Co.

Dear Sirs: — We have used Essex Fertilizers for at least five years, and the results have always been very satisfactory; so much so that at present it is the only Fertilizer we use, and we feel that we can succeed better with the above Fertilizer than any other kind which we have tried.

Those of our neighbors who have tried your Fertilizer are equally well satisfied. Yours very truly,

C. LEAFLANG, Supt. of Stonewall Farm, Leicester, Mass.

Northborough, Mass., Sept. 12th, 1904.

Russia Cement Co.

My Dear Sirs: — It gives me pleasure to testify to the high quality and value of the Essex Fertilizers. Made as they are, largely from Fine Dry Fish and Potash Salts thoroughly mixed, nothing in the line of fertilizers can be better. I have found them especially valuable on rather light soils.

Very truly yours,

S. T. MAYNARD.

Uxbridge, Mass., Oct. 8, 1902.

Russia Cement Co.

Gentlemen: — I have used your Essex Fertilizer the past season on Corn, Potatoes, Grain and Hungarian, and it has given me fine results in every case. Where I used it alone without any stable manure the crops showed that there is plenty of plant food in an available form, giving to crops in a season like the past, plenty of food to produce the best results.

Yours truly,

E. S. FARNUM.

Russia Cement Co.

Dear Sirs: — I have used the Essex Fertilizer for the past two years and find it to be as represented, giving perfect satisfaction.

JOS. T. CLARK, with John E. Thayer, Esq

Essex A 1 Superphosphate.

Guaranteed Analysis.

Ammonia	1¼	to	1½	per cent.
Available Phosphoric Acid	7	to	8	"
Total Phosphoric Acid	9	to	11	"
Actual Potash	2	to	2½	"

Price per Ton, $28.00

Essex XXX Fish and Potash.

Guaranteed Analysis.

Nitrogen	2.1	to	3	per cent.
Equivalent to Ammonia	2½	to	3	"
Soluble Phosphoric Acid	4½	to	5½	"
Reverted Phosphoric Acid	4½	to	5	"
Insoluble Phosphoric Acid from Bone	3	to	3½	"
Total Phosphoric Acid	12	to	14	"
Actual Potash	2¼	to	3¼	"

Price per Ton, $32.00

Essex Corn Fertilizer.

Guaranteed Analysis.

Nitrogen	2	to	2.5	per cent.
Equivalent to Ammonia	2.4	to	3	"
Soluble Phosphoric Acid	4	to	5	"
Reverted Phosphoric Acid	4.5	to	5	"
Insoluble Phosphoric Acid from Bone	2	to	3	"
Total Phosphoric Acid	10.5	to	13	"
Actual Potash	3	to	3.5	"

Price per Ton, $35.00

Essex Market Garden and Potato Manure.

Guaranteed Analysis.

Nitrogen	2	to	2.5	per cent.
Equivalent to Ammonia	2.4	to	3	"
Soluble Phosphoric Acid	4	to	5	"
Reverted Phosphoric Acid	4	to	5	"
Insoluble Phosphoric Acid from Bone	2	to	3	"
Total Phosphoric Acid	10	to	13	"
Actual Potash	5	to	6	"

Price per Ton, $35.00

Essex Complete Manure for Corn, Grain and Grass.

Guaranteed Analysis.

Nitrogen	3.3	to	4.1	per cent.
Equivalent to Ammonia	4	to	5	"
Soluble Phosphoric Acid	3	to	3½	"
Reverted Phosphoric Acid	4	to	4½	"
Insoluble Phosphoric Acid from Bone	2½	to	3	"
Total Phosphoric Acid	9½	to	11	"
Actual Potash	9½	to	11	"

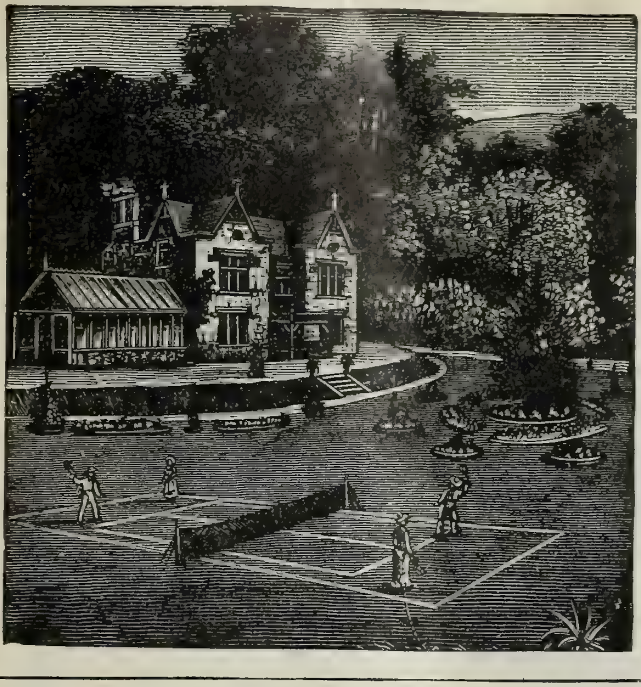
Price per Ton $40.00

Essex Complete Manure for Potatoes, Roots and Vegetables

Guaranteed Analysis.

Nitrogen	3.7	to	4½	per cent.
Equivalent to Ammonia	4½	to	5½	"
Soluble Phosphoric Acid	3	to	3½	"
Reverted Phosphoric Acid	4	to	4½	"
Insoluble Phosphoric Acid	2	to	3	"
Total Phosphoric Acid	9	to	11	"
Actual Potash from Sulphate	8½	to	10	"

Price per Ton, $41.00



A WELL KEPT LAWN,

be it large or small, adds greatly to the beauty of any home; but no one has a right to expect a lawn to stand cutting, tramping and the other abuses to which they are subjected without some complete fertilizer being applied each season to furnish the necessary plant food. Our Worcester Lawn and Garden Dressing is designed to take the place of stable manure, which contains more or less, and usually more, foul seed. Our Dressing is acknowledged to be the standard food for grass and is used largely on our parks, cemeteries and large lawns. We mix this dressing ourselves and allow nothing to go in it that is not of the highest quality. It contains chemicals that will give the grass an early start (for who does not wish their lawn to look green before their neighbor's) and it also contains the necessary plant food to carry it through the season. Our largest and best Worcester lawns have been kept green for years with this mixture. Stable manure should not be used under any condition if you wish to keep your lawn free from weeds. Pure ground bone, muriate of potash, nitrate of soda and fine ground kiln dried sheep manure are the principal ingredients used. This is not only designed for lawns, but is adapted for small gardens and flower beds. It is put up in 25, 50 and 100 lb. bags under a guaranteed analysis.

Prices: 25 lbs. 60c.; 50 lbs. $1.15; 100 lbs. $2.00. Special Prices in One to Five Ton Lots for large Estates and Parks.

Raw Materials or Fertilizing Chemicals

FOR HOME MIXING.

Farmers who understand compounding and mixing chemicals for different crops can no doubt save something in buying chemicals and mixing them themselves rainy days and odd jobs, but it is a dangerous and expensive undertaking for those that do not know how, and to such we advise buying mixed goods of some reliable brand. We have for several years made a specialty of this branch of our trade and have the reputation of furnishing chemicals lower than many of the fertilizer companies who handle large quantities, but recommend mixed goods. The following prices are subject to change without notice, but in large lots we can shade the prices for cash with the order.

HIGH GRADE SULPHATE OF POTASH.
90 to 95 per cent. Sulphate of Potash, 48 to 50 per cent. actual Potash. In original bags, 224 lbs. each. Per 100 lbs. $2.75; per ton, $50.00

DOUBLE SULPHATE OF POTASH AND MAGNESIA.
40 to 50 per cent. Sulphate of Potash, 25 to 28 per cent. actual Potash. In original bags, 224 lbs. each. Per 100 lbs. $1.65; per ton, $30.00

MURIATE OF POTASH.
80 to 85 per cent. Muriate of Potash, 50 to 55 per cent. actual Potash. In original bags, 224 lbs. each. Per 100 lbs. $2.40; per ton, $45.00.

KAINIT.
23 to 25 per cent. Sulphate and Muriate of Potash, 12 to 13 per cent. actual Potash. In 200 lb. bags. Per 100 lbs. 90c.; per ton, $15.00

NITRATE OF SODA.
96 per cent. purity: 19 per cent. Ammonia. In original bags about 275 lbs. each. Per 100 lbs. $3.00; per ton, $53.00

SULPHATE OF AMMONIA.
24-75 per cent. Ammonia. In 200 lb. bags. Per 100 lbs. $3.50; per ton, $70.00

DISSOLVED BONE BLACK.
15 to 18 per cent. Soluble and Available Phosphoric Acid. In 200 lb. bags. Per 100 lbs. $1.25; per ton, $22.00

ODORLESS SLAG PHOSPHATE.
19 to 22 per cent. Phosphoric Acid. Nearly all available. The cheapest form of Phosphoric Acid. Per 100 lbs. $1.25; per ton, $22.00

LAND PLASTER.
Per bag 200 lbs. 90c.; Per ton, $8.00

PLAIN SUPERPHOSPHATE.
14 to 17 per cent. Soluble and Available Phosphoric Acid. In 200 lb. bags. Per 100 lbs. $1.00; per ton, $18.00

PLAIN SUPERPHOSPHATE.
12 to 15 per cent. Phosphoric Acid. Per 100 lbs. 90c.; per ton, $16.00

DRIED BLOOD.
12 per cent. Ammonia. In 200 lb. bags. Per 100 lbs. $2.35; per ton, $43.00

DRIED BLOOD.
15 per cent. Ammonia. In 200 lb. bags. Per 100 lbs. $2.75: per ton. $53.00

FINE GROUND TANKAGE.
6 per cent. Ammonia, 30 per cent. Bone Phosphate. In 200 lb. bags. Per 100 lbs. $1.65; per ton, $30.00

FINE GROUND TANKAGE.
9 per cent. Ammonia, 20 per cent. Bone Phosphate. In 200 lb. bags. Per 100 lbs. $2.00; per ton, $37.00

FINE GROUND NOVA SCOTIA PLASTER.
White and fine. In 200 lb. bags. Per 100 lbs. 50c.; per ton, $9.00

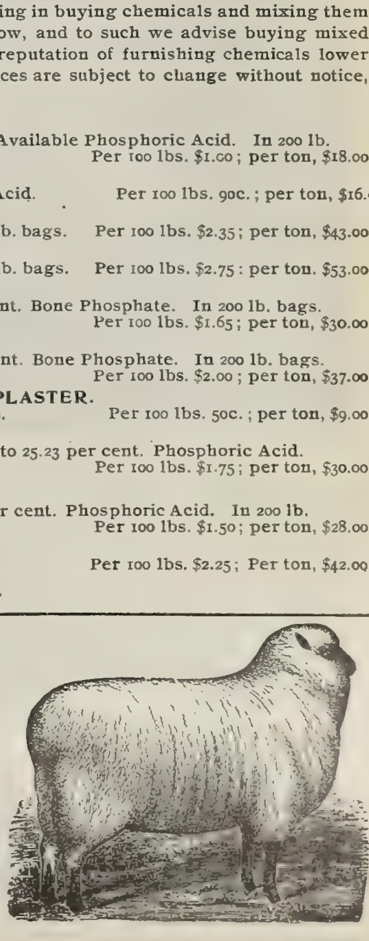
FINE GROUND BONE.
3 to 4 per cent. Ammonia, 22.80 to 25.23 per cent. Phosphoric Acid. In 200 lb. bags. Per 100 lbs. $1.75; per ton, $30.00

ABBATOIR BONE.
2 to 3 per cent. Ammonia, 22 per cent. Phosphoric Acid. In 200 lb. bags. Per 100 lbs. $1.50; per ton, $28.00

DRY GROUND FISH.
Per 100 lbs. $2.25; Per ton, $42.00

Terms: Cash, Delivered on Board Cars, Boston or Worcester.

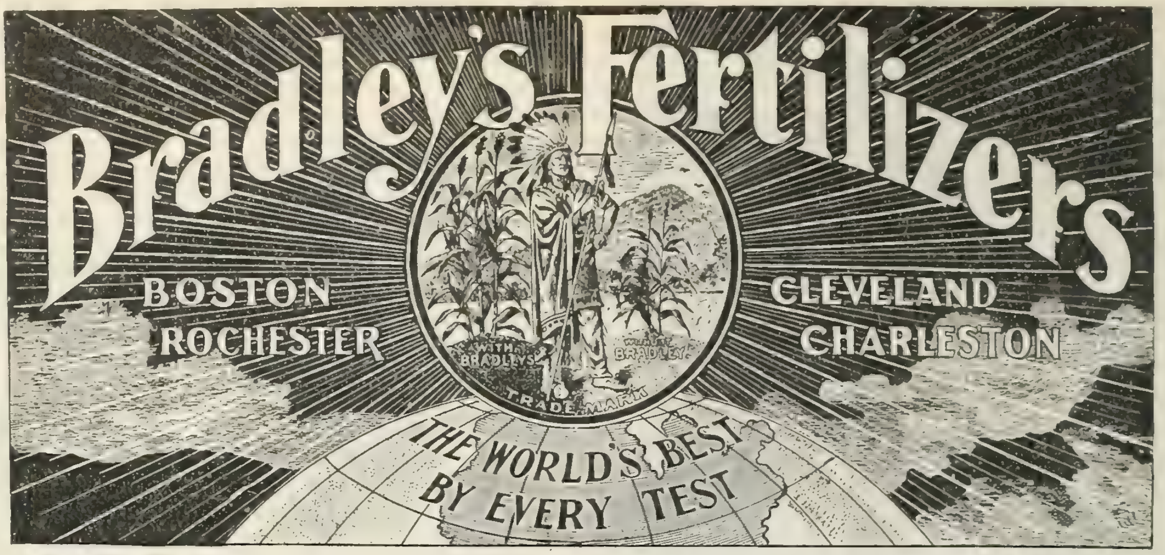
PULVERIZED SHEEP MANURE.



This is a pure, natural manure, and the most nutritious food for plants. Its effect is immediate, much more lasting and healthy than guano or any other manure. It is the best of all manures for mixing with the soil for greenhouse plants. It makes the richest, safest and quickest liquid manure, rivaling guano, without any deleterious effect. Instead of being put up in the natural state as formerly, we have it kiln-dried and then finally pulverized, which makes it much more convenient to handle, and it can be kept in any cellar for an indefinite length of time.

DIRECTIONS. For mixing with soil: Take one part manure to six of soil. For making a liquid: Take one pound of manure to five gallons of water. This can be used with safety every day.

Prices. Ton, $25.00; 100 lbs. $1.75; 5 lbs. 25c. Special Price by the Car Load.



THE BRADLEY FERTILIZER COMPANY

was the pioneer of the fertilizer business, and for nearly half a century has been, and still is, the leader in that line, manufacturing and selling more fertilizers yearly than any other company in this field. They have not only the largest and best equipped factories, but the prestige of longest experience and most successful career, which has rendered their products a household theme from Maine to California, and has secured to them the familiar cognomen of the "OLD RELIABLE."

BRADLEY FERTILIZERS

are to-day, as they have been for nearly half a century, the cheapest, safest, and most reliable for you to buy.

BRADLEY QUALITY

Means Best Material, Most Thorough Manufacture, Perfect Mechanical Condition, Highest Agricultural Value.

THE WORLD'S BEST BY EVERY TEST."

BRADLEY'S XL PHOSPHATE has been more extensively used than any other brand of fertilizer in the world, and has given universal satisfaction on all crops and under all conditions.

BRADLEY'S POTATO FERTILIZER

For Growing Smooth, Sound Potatoes of the Best Quality without Barnyard Manure.

It is admitted by successful potato growers that a good commercial fertilizer is indispensable in raising potatoes of the best quality and free from rot or scab. Bradley's Potato Fertilizer is in no sense a theoretical or experimental mixture. It is prepared from formulas which repeated field tests have proven to produce the largest crops of smooth, sound, and handsome potatoes. It is finely ground and very dry; it will, therefore, work perfectly in any planter.

BRADLEY'S COMPLETE MANURES FOR ALL CROPS

SPECIALLY ADAPTED TO EXTENSIVE FARMING AND MARKET GARDENING.

These manures are the richest and most effective fertilizers sold, as has been abundantly proved by results in the field. They are manufactured from the very best plant-food materials obtainable. In mechanical condition they are unequaled. They drill perfectly in any machine. They are divided into classes, based upon exhaustive field tests, and not upon theoretical experiments of the laboratory, the fault of "special crop fertilizers," in which common sense and practical experience are sacrificed for the sake of theoretical hobbies. Bradley's Complete Manures are, in the fullest sense, "complete" fertilizers, and the several grades furnish complete plant-food in the best forms for all crops grown.

Bradley's Complete Manure for Potatoes and Vegetables

Is particularly rich in ammonia and potash, and has given phenomenal results in growing large crops of the best quality of potatoes, onions, beets, turnips, carrots, cabbages, squashes, melons, etc. It is the most perfectly balanced fertilizer manufactured for growing all kinds of root crops and market garden truck. It is the market gardener's favorite.

ANALYSIS.

Nitrogen, equal to Ammonia,	4.00 to 5.00	per cent.
Available Phosphoric Acid,	8.00 to 11.00	"
Total Phosphoric Acid,	9.00 to 13.00	"
Potash (K_2O)	7.00 to 8.00	"
Equal to Sulphate Potash,	12.95 to 14.80	"

Bradley's Potato Fertilizer is one of our best known and most popular brands, having been found a sure producer of large crops of fine quality potatoes. It is finely ground, and its superior mechanical condition insures even distribution either by hand or in the potato planter.

ANALYSIS.

Nitrogen, equal to Ammonia,	2.50 to 3.50	per cent.
Available Phosphoric Acid,	8.00 to 10.00	"
Total Phosphoric Acid,	9.00 to 12.00	"
Potash (K_2O)	3.00 to 4.00	"
Equal to Sulphate Potash,	5.55 to 7.40	"

Our Prices for 1905

Bradley's XL Phosphate, 25 lb. bag,	$ .60	Bradley's XL Phosphate, in 100 lb. bags, ton lots,	$35.00
Bradley's XL Phosphate, 50 lb. bag,	1.00	Bradley's Potato Fertilizer in 100 lb. bags, tons lots,	33.00

Bradley's Complete Manures for Potatoes and Vegetables—Corn and Grain—Top Dressing and Grass and Grain—Bradley's Complete Manure with 10 per cent. Potash, in ton lots, $38.00. A liberal discount will be allowed for cash.

MAPES COMPLETE FERTILIZERS

The Choicest Materials Are Used in the MAPES MANURES

High Farming With Fertilizers

IT IS AN INSPIRATION to all lovers of profitable agriculture to read the Mapes pamphlets. Professor Mapes has long exerted a powerful influence in behalf of better agriculture and more profitable farming in the Middle and New England States, and also at the South. His annual pamphlets are always full of meat, "horse sense," and the practical experience of farmers, fruitgrowers, market gardeners and others who continue to use Mapes Manures year after year because it pays them to do so.

All this is an instance of the well-known fact that the party or concern which persists in making only goods of the very highest grade will, in time, acquire a trade and reputation that nothing can break down. Acting on this plan, Professor Mapes has constantly utilized all the teachings of science and experience in the preparation and use of the Mapes Complete Manures. Their basis is genuine pure Peruvian guano and pure animal bone, made soluble and available *without objectionable acidity*, and all the ammonia is fixed. There is no loss from exposure or in keeping.

That the Mapes Manures are worth what they sell for is abundantly demonstrated by the experience of thousands of satisfied farmers.

Whether you use fertilizers or not, you will be benefited by reading the Mapes pamphlet, which is of genuine value as agricultural literature. It is mailed free. Ask for it.

Mapes Manures are the BEST for the Market Gardener

POTATO MANURE. Ammonia, 4.50 to 5 per cent.; Phosphoric Acid, 8 to 10 per cent. (soluble and available, 8 per cent.); Soluble Potash, actual, 6 to 8 per cent., all as high grade Sulphate, and in forms free from Muriates (or Chlorides), Magnesia, Lime, etc. For Irish and Sweet Potatoes, also Asparagus, Early Vegetables, Tomatoes, Sugar Beets, Sorghum and Sugar Cane. **Per ton, $40.00**

CORN MANURE. Ammonia, 3.50 to 5 per cent.; Phosphoric Acid, 12 to 13 per cent. (soluble and available, 8 to 10 per cent.); Soluble Potash, actual, 6 to 7 per cent. For Sweet Corn, Fodder Corn, Hungarian Grass, Millet, Late Turnips, Late Cabbage, Seeding to Grass. **Per ton, $37.00**

COMPLETE MANURE. (For general use.) Ammonia, 4 to 5 per cent.; Phosphoric Acid, 10 to 12 per cent. (soluble and available, 8 to 10 per cent.); Soluble Potash, actual, 4 to 5 per cent. A substitute for stable manure. For use on all crops and all soils, with or without stable manure. Use broadcast; if any in hills, use sparingly. Special for Oats, Hungarian Grass, Vegetables, Melons, Tomatoes and Seeding with or without grain. **Per ton, $38.00**

ECONOMICAL POTATO MANURE. Ammonia, 4 to 5 per cent.; Phosphoric Acid, 6 to 8 per cent. (soluble and available, 4 to 5 per cent.); Soluble Potash, actual, 8 to 10 per cent.; all as high grade Sulphate and in forms free from Muriates (or Chlorides). **Per ton, $37.00**

GRASS AND GRAIN SPRING TOP-DRESSING. Ammonia, 5 to 7 per cent.; Phosphoric Acid, 7 to 9 per cent. (soluble and available, 7 per cent.); Soluble Potash, actual, 5 to 7 per cent. **Per ton, $42.00**

COMPLETE MANURE. ("A" Brand.) Ammonia, 3 to 4 per cent.; Phosphoric Acid, 12 to 16 per cent. (soluble and available, 10 to 12 per cent.); Soluble Potash, actual, 2 50 to 3.50 per cent. For use in hill or drill on all crops, particularly in connection with farm manure. Special for Peas, Beans, Buckwheat and Turnips. **Per ton, $36.00**

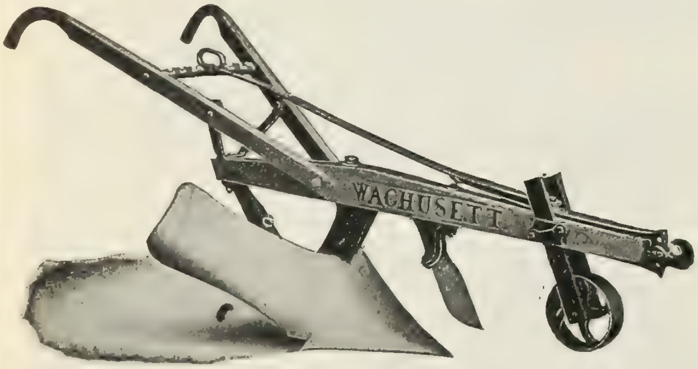
FRUIT AND VINE MANURE. Ammonia, 2 to 3 per cent.; Phosphoric Acid, 7 to 9 per cent. (soluble and available, 5 to 7 per cent.); Soluble Potash, actual, 10 to 12 per cent.; all as high grade Sulphate and in forms free from Muriates (or Chlorides). For insuring fruiting power, particularly in quality of fruits in vineyards (Grapes), Pears, Apples, Plums, Strawberries, and small fruits. Is slow in effects. **Per ton, $42.00**

COMPLETE MANURES for Light Soils, or Vegetable Manures for All Soils. Ammonia, 6 to 8 per cent.; Phosphoric Acid, 8 to 10 per cent. (soluble and available, 6 to 8 per cent); Soluble Potash, actual, 6 to 8 per cent. This is our special manure on all kinds of soils, for Truck, Early Vegetables, Onions, Celery, Tomatoes; also on light soils for Oats, Hops and Barley. All vegetables require liberal supplies of soluble potash, and in the proper forms. Even with heavy or clay soils the natural supplies of potash are insufficient. **Per ton, $43.00**

CEREAL BRAND. Ammonia, 2 to 3 per cent.; Phosphoric Acid, total, 8 to 10 10 per cent. (soluble and available, 6 to 8 per cent.); actual Potash, 3 to 3.50 per cent. For Corn, Rye, Buckwheat, etc. Specially adapted for use in hill or drill. **Per ton, $30.00**

AGRICULTURAL TOOL DEPARTMENT

ON THE following pages we will show you our line of IMPLEMENTS, both Horse and Hand, and we do not illustrate anything that we have not tested and know to be thoroughly reliable; and while similar tools may be bought for less money, we defy anyone to sell goods of equal value any lower than we do.



The WACHUSETT Swivel Plow.

This is our latest and, we believe, for all kinds of work, the best Swivel Plow on the market. Nearly all other plows on the market at the present time have some defects, and we have been studying for the past few years to overcome them as far as possible, and we think we have accomplished our object in this plow.

We have them manufactured especially for us by a thoroughly reliable company, and we have endeavored to combine all the good points in other plows and discard all the bad ones. The handles are made adjustable, as you will see by the cut, and being attached to the beam instead of running down to the standard, they give the operator easy and perfect control over the plow. The shifting clevis is the most durable and easiest to operate of any plow that was ever put on the market. It can be shifted easy and there is no danger of pinching your fingers, as with nearly all of the other makes.

The lines on this plow are so adjusted that it stays in the ground and turns a nice furrow, and this makes it easy for both man and team The material used is the very best that we can possibly get, and we warrant every part to be free from any imperfections.

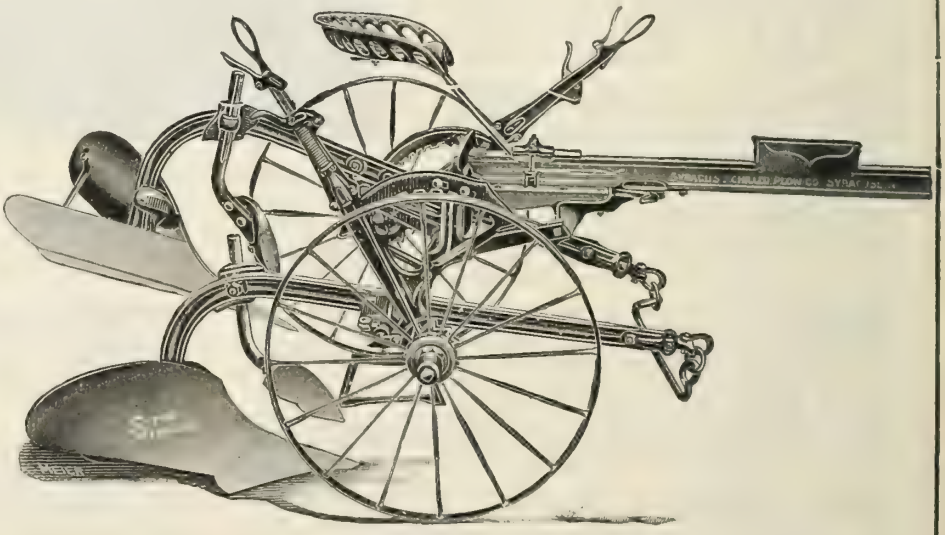
We have also made the price lower than any of the first-class plows are being sold for We have, at the present time, only two sizes, No. 2 and No. 3. The No. 2 medium, or large two-horse, and the No. 3 is a light two-horse. We can furnish either with steel or hardened moldboard, and we guarantee them to do satisfactory work and to be made of the very best material.

List price No. 2, Hardened Moldboard, .	**$11.00.**	Discount for cash, .	**$1.00.**
" " No. 3, " " .	**11.00.**	" " " .	**1.00.**

For Steel Moldboard add $1.50 extra.

Syracuse Reversible Sulky Plow.

Steel Moldboards and Landsides.

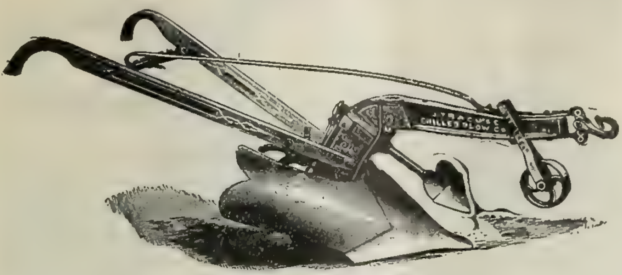

SYRACUSE CHILLED PLOW CO. SYRACUSE

This is the lightest draft sulky plow on the market. Will plow on sidehill or level ground and leaves no dead furrows. We believe this is the only sulky that will do satisfactory work on all kinds of soil and on hill or level farms. As shown in cut two plows are used (one only being in use at a time). Throwing the plow in and out of the ground is done by the team while the operator has control of the width of furrow with his feet, leaving both hands free to handle the team. The wheels always stand perpendicular and the plows level. This tool is designed for New England farmers and has stood the test for ten years. We have sold hundreds of them. Cuts 3 to 9 in. deep, 11 to 16 in. wide; weight, 556 lbs. We furnish two sets of points and two-horse hitch.

Price, $45.00. Discount for cash, $3.00. Three-horse hitch, $3.00 extra.

Syracuse No. 60 Plow,

With Steel Cutter or Jointer, Steel or Chilled Moldboard.



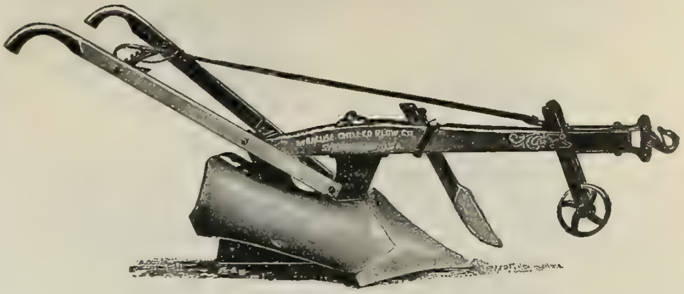
This is our leading Steel Beam swivel plow and will work on level land or sidehill. It has a steel or chilled moldboard, patent foot latch and shifting clevis. Cuts 5 to 8 in. deep, 12 to 15 in. wide; weight, 138 lbs.

List Price, Steel Moldboard, . . $17.00
List Price, Cast Moldboard, . . 15.50

Discount for cash, $2.00.

Diamond A, B and C Plows,

New Style with Steel or Chilled Moldboard.

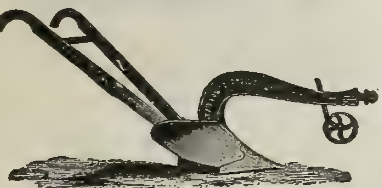


Excepting the Wachusett this is one of our best swivel plows. It is furnished with steel or chilled moldboard, patent foot latch, wheel and cutter and shifting clevis. All parts interchange with the '76 plow made at Castleton, Vt.

A cuts 5 to 7 in., 11 to 14 in. wide; wt., 119 lbs. **List price, $13.00**
B cuts 4 to 6 in., 8 to 12 in. wide; wt., 114 lbs. **List price, 12.00**
C cuts 3 to 5 in., 7 to 8 in. wide; wt., 71 lbs. **List price, 8.50**

A and B are two-horse; C one-horse. A and B have wheel and cutter. C has wheel. Disct. for cash on A and B, $2.00; C, $1.00. Steel Moldboard, $1.50 extra.

Syracuse No. 5 Vineyard Plow
One-Horse.



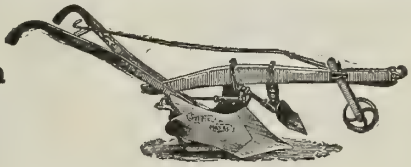
This plow is designed for plowing between rows of trees or vines. The handles are adjustable sideways or up and down. The horse can walk in the furrow or on the land. It can also be used for garden plowing. Iron beam; cuts 3 to 5 in. deep, 7 to 10 in. wide; wt., 63 lbs.

List price, with wheel, $7.50.

Discount for cash, 50c.

The Arlington Plow has become a favorite in many sections. They are made with steel shifting lever, clevis, patent spring foot latch. Moldboards are made of patent steeled metal, and all castings nicely polished. The beam and handles are made from selected stock, neatly striped and varnished.

The Arlington Swivel Plow.



— DESCRIPTION OF SIZES. —

No. 30 turns a furrow 13 to 16 in. wide, 6 to 8 in. deep. Weight, 135 lbs.

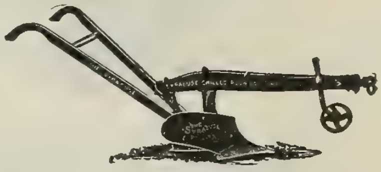
No. 29 turns a furrow 12 to 14 in. wide, 5 to 7 in deep. Weight, 125 lbs.

No. 27 turns a furrow 8 to 11 in. wide, 4 to 6 in. deep. Weight, 85 lbs.

No.	With Wheel.	Wheel and Cutter.	Wheel and Jointer.
30	$13.50	$15.00	$15.50
29	12.50	14.00	14.50
27	9.00	10.00	
26	8.50	9.50	

Discount for cash, $2.00 on Nos. 30 and 29; $1.00 on Nos. 27 and 26.

Syracuse No. 52 and 53
One-horse Plow.



No. 52 is a medium size one-horse plow, with chilled moldboard and wheel just the size for general garden work.

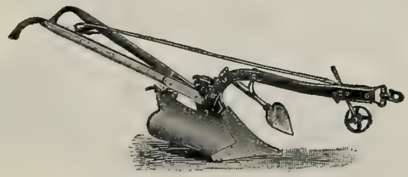
No. 53 is same style of plow, only larger. Can be used as a light two-horse plow for plowing stubble land.

No. 52 cuts 3 to 5½ in. deep, 9 to 11 in. wide; wt., 70 lbs. **List price, with wheel, $8.50.**

No. 53 cuts 3 to 6 in. deep, 9 to 12 in. wide; wt., 76 lbs. **List price, with wheel, $9.50.**

Discount for cash on either, 50c.

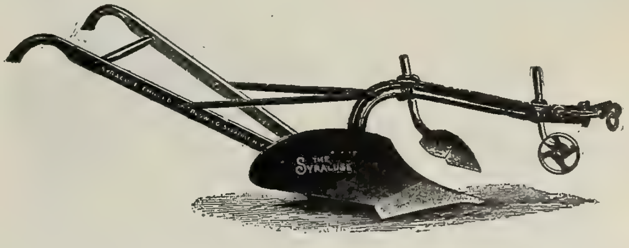
THE SYRACUSE PLOW
NO. 812.



This is the latest number in the Syracuse line, and we believe the best one. The leading feature is the shifting handles, which enables the operator to walk directly behind the plow. It has a steel truss beam, automatic jointer or cutter and shifting clevis, adjustable wheel, inclining forward or back.

List price, with chilled moldboard, wheel and cutter or jointer, **$16.00.** Discount for cash, $2.00.

Syracuse No. 31 and No. 32 Two-horse Landside Plows.



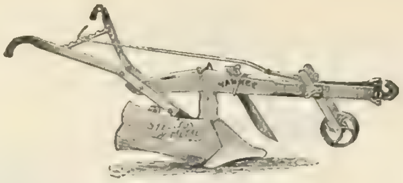
These plows have steel moldboards and wheels, straight cutters or jointers. No. 32 is the same plow used on the double sulky with the addition of a pair of handles, and no better plow was ever made.

No. 32 cuts 5 to 7½ in. deep, 10 to 13 in. wide; weight, 103 lbs. **List Price, $16.00.**

No. 31 cuts 5 to 8 in. deep, 12 to 15 in. wide; weight, 108 lbs. **List Price, $16.50.**

Discount for cash from either of the above, $3.00.

THE YANKEE SWIVEL PLOW.



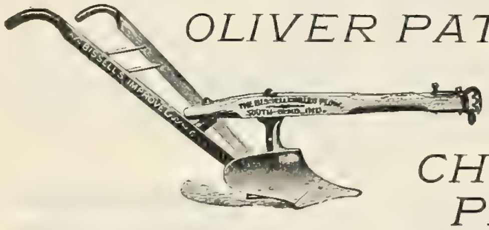
FOR ONE OR TWO HORSES.

This plow has a patent shifting clevis, foot latch, wheel and cutter. The moldboard is steeled metal, which is very hard and will polish in nearly all soils. They are painted bright vermilion and are a very nice built plow. We have two sizes for one horse, three for two horses, and one for three horses.

Number of Plow.	Description.	With Wheel.	Wheel & Cutter.	Weight full Rig.
00 H	Small One-Horse, . . .	$ 9.25	$10.25	75 lbs.
0 H	One-Horse, ...	9.50	10.50	85 "
1 H	Large 1-horse or light 2-horse,	12.00	13.50	105 "
2 H	Medium 2-horse, ...		15.00	117 "
3 H	Large 2-horse, ...		16.00	125 "

Discount for cash: $2.00 from list on two-horse; $1.00 discount on one-horse.

OLIVER PATTERN CHILLED PLOW.



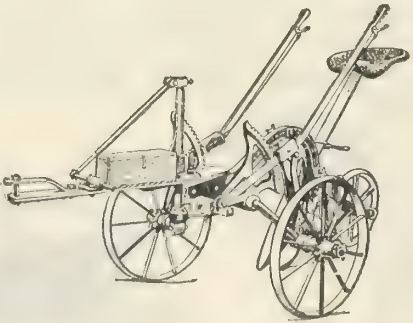
All parts interchange with the Oliver. This plow has a chilled moldboard, extra high standard, which prevents clogging in weeds or trash. It is our best one-horse landside plow.

Number.	Description.	List Price.
No. A.	Light one-horse, . .	$4.50
No. B.	Medium one-horse, . .	6.00
No. 10.	Large one-horse, . .	7.00

Discount for cash, 50 cents.

The above prices are without wheel. If wheel is wanted, add $1.00 net to above prices.

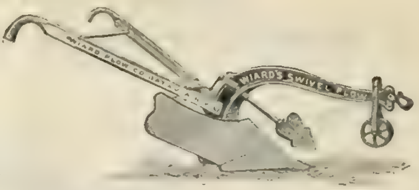
IRONTON SULKY DISC PLOW.



This holds the same relation to the common plow that the disc harrow does to the old spike tooth harrow. This plow has been on the way for a number of years but we have preferred to let the manufacturers do the experimenting rather than our customers. We believe that they have now reached perfection for we have tried this ourselves and know it will do excellent work. It not only pulverizes but turns under and covers completely all trash that there may be on the top of the ground. It will make the most perfect seed bed of any plow on the market, and that is one of the most important matters to insure a perfect crop.

It is not designed for breaking up sod but is for old ground. It has one 24 in. steel disc and two levers for controlling the depth and width. Can be regulated to work 12 in. deep or less. It is a plow and pulverizer complete and is sold at the price of one. Price $35.00.

THE WIARD SWIVEL PLOWS.

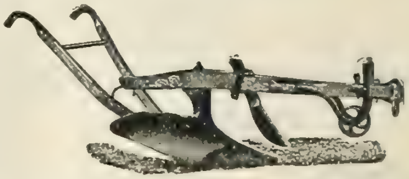


We carry a full line of these plows and they have a great many friends. Rigged either with Jointer or Straight Cutter and Wheel, steel and wood beam and shifting clevis. They are painted green.

Number.	Description.		Wheel and Cutter or Jointer.	Weight full Rigged.
115x	Light 2-horse, iron beam, cast moldboard,		$15.25	116 lbs.
140	Medium 2-horse, wood beam, cast moldboard, ...		14.25	133 lbs.
		Plain.	Wheel.	
21	One-horse, wood beam. . .	$8.25	$9.25	77 lbs.

Discount for cash: $2.00 from list on two-horse; $1.00 discount on one-horse. Steel Moldboard, $1.50 extra.

THE DOE CAST IRON PLOW.

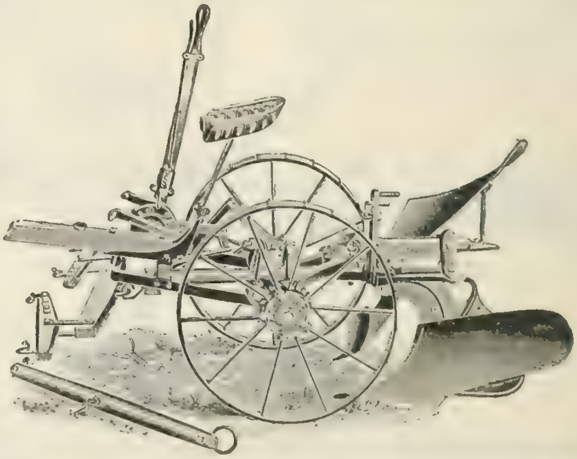


A good general purpose plow, designed for all kinds of garden work. Wood beam, cast moldboard and point.

		Plain.	Wheel and Cutter.
E 0	Medium one-horse, .	$5.00	
E 1	Large one-horse, . . .	6.00	
E 2	Light two-horse, . . .	7.00	
E 3	Medium two-horse, . . .	8.00	$10.75
E 4	Two or three-horse, . .	10.00	12.75

Discount for cash, 50 cents from list.

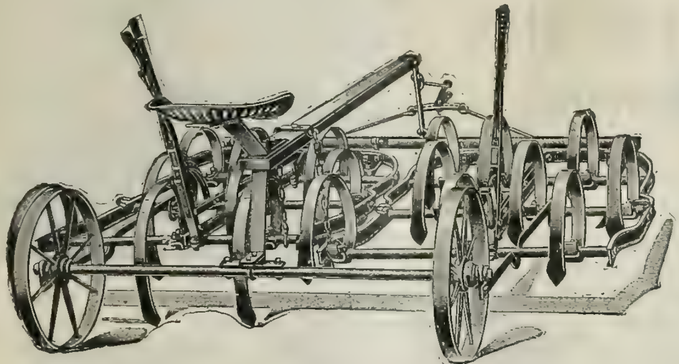
THE NATIONAL REVERSIBLE SULKY PLOW.



This plow works equally well on sidehill or level land. As with the Syracuse, two plows are used, both fastened to one beam. The plows are thrown in and out of the ground with the foot, making it a very easy plow to operate. A boy 12 years old can handle it easily. There are few farms in New England where a Sulky plow cannot be used to a good advantage. Price includes extra set of points, neck-yoke and evener.

List price, $45.00. Discount for cash, $3.00.

The American ...Riding... Spring Tooth Harrow.

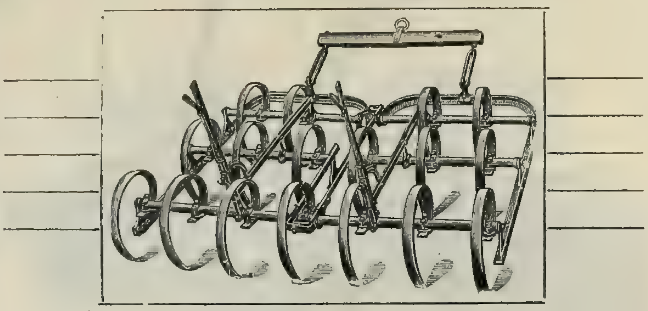


The American Spring Tooth Harrow is the latest spring harrow on the market and, we believe, the best. It is constructed on entirely different principles from other harrrows—with seat, and the driver does not get any motion of the harrow. The riding attachment is independent of the frame, the driver's weight being on the sulky attachment instead of on the frame that the teeth are attached to, as is the case with other harrows. It is as easy to ride as a buggy, and the teeth can be raised and lowered by means of a lever within easy reach of the driver. It is simple, durable, and the most practical harrow on the market.

Price, 16 teeth, complete with riding attachment, **$21.00.**

Discount for cash, $1.00.

The Aberdeen Spring Tooth ...Lever... Harrow.

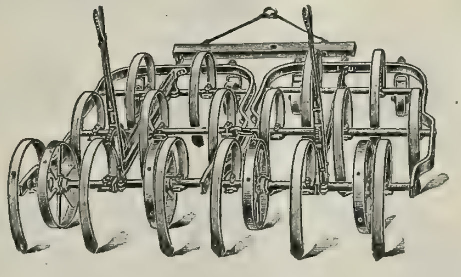


Having some calls for a spring harrow with shoes instead of wheels, we have added to our already large line of harrows this make, and while it has to be hauled to and from the field on the shoes instead of wheels, we believe it will do just as good work and is as durable as any harrow on our list.

List Price, 15 teeth, $15.50.
" " 17 " $16.50.

Discount for cash, 50c.

REED Spring Tooth HARROW.

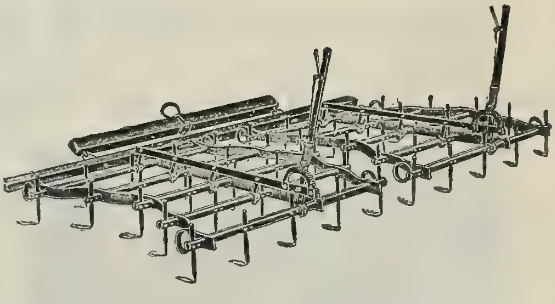


This is same style of Harrow as above, only mounted on wheels, but no riding attachment, which makes it very much cheaper in price.

Price, 15 teeth, $16.50.
" 17 " $17.50.

Discount for cash, 50c.

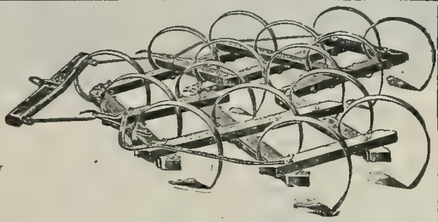
Big 5 Spike Tooth Smoothing Harrow.



This harrow is designed as a leveling harrow, and for covering all kinds of grain and grass seed. Is also used largely for cultivating corn just after it comes up. The teeth are adjusted by means of a lever, and can also be thrown up from the ground and harrow transported to and from the field on the shoes at the end. Each tooth is held in place by two bolts (nearly all others have but one), and the entire harrow is made of steel.

List price, 60 teeth, $12.00. Discount for cash, $1.00.
List price, 50 teeth, $11.00. Discount for cash. $.100.

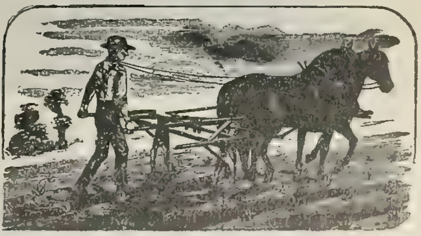
The Original PERRY Spring Harrow



This is the first Spring Tooth Harrow ever offered for sale, and it has many friends today. For durability, it is equal to any harrow made. The wood frame is lined with carbon steel, bolt heads protected, teeth cannot get loose.

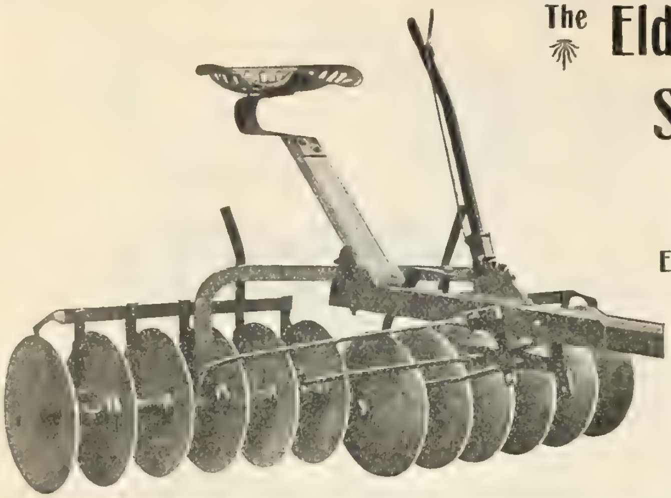
List price, 16 teeth, $11.00. Discount for cash, $1.00.

Prout's Two-Horse Hoe.



To those unacquainted a brief description of this machine will undoubtedly prove of interest. Each Standard as shown in the cut has two Hoes attached, and in working one set of hoes work on one side of the hill and the other on the opposite side, hoeing a row at a time. The hoes operate same as a hand hoe, moving fresh earth to the plant, and crowding the old dry earth away from the plant, the work being done much more quickly and thoroughly than when hand hoes are used. Unlike the cultivators and horse hoes now in common use, *the whole surface* for the distance of two feet, more or less, on each side of the plant is cut over, and all the weeds removed. The hoes being made tapering permit of cutting close up to the plant without injury to corn roots which run close to the surface.

List Price, with Wheels, $25.00; Cash Price $20.00
" " no " $23.00; " " $18.00



The Eldridge Flexible Steel Disc Harrow.

Either In or Outthrow.

The only disc harrow made that has a steel frame made in one piece with no castiron standards to break. It is a perfect flexible disc harrow and can be taken apart in one minute without removing a bolt. In runs on ball bearings, each gang having three bearings with nine balls in each. We sell principally the outthrow style, but for $1.50 extra we will furnish an extra arch or frame to make it an inthrow. The discs have a special concavity deeper than any other disc harrow, which allows it more cutting capacity than any other make with discs at the same angle. It can be taken apart for loading or storing by simply removing two cotter pins and giving the discs a slight turn. One great feature is the closeness with which the discs run together in the center. It is practically an overlap harrow. As one gang runs about six inches behind the other, which allows it to cut within one inch, it leaves no ridge behind it. It has the easiest seat of any harrow made and all things considered, we claim it to be the most perfect and durable harrow on the market.

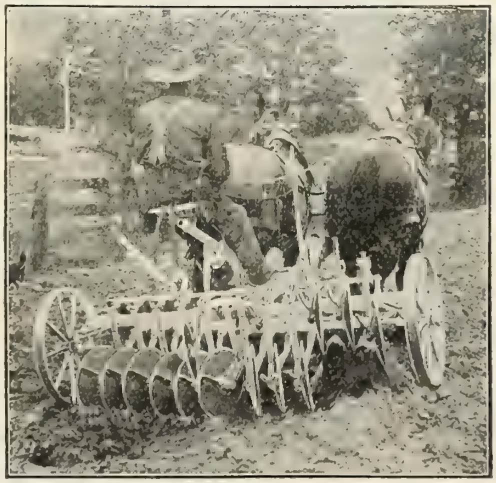
We are the exclusive selling agents and want good agents in all unoccupied territory.

Price with 16-in. steel discs complete with whiffletrees, evener, yoke and scraper, $21.00.

Discount for cash $1.00.

Extra arch or frame to make it an inthrow harrow, each $1.50.

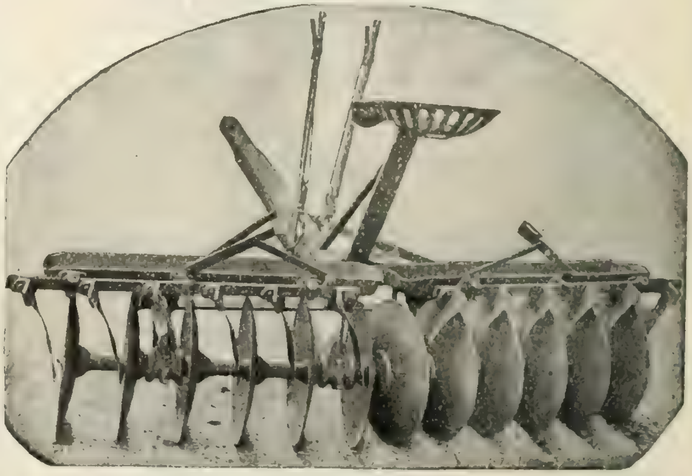
Superior Disc Harrow on Wheels



You can hitch your team to the Superior Disc Harrow on Wheels, just the same as you would to a road wagon. It rides on its own wheels. You can take it anywhere without loading on a wagon. Stumps and rocks make no difference in the good work. Every available foot of ground receives perfect cultivation. Hollows and ridges are all cut out. The center-cut disc or the center-cut tooth cuts out all the center. Each Disc is attached independently of each other, and each disc is controlled by its own spring. This is higher priced than other disc harrows, but we believe it is well worth the difference where fields are a great distance from the buildings. **Price, $35.00.** Discount for cash, $1.00.

The Reliance Disc Harrow

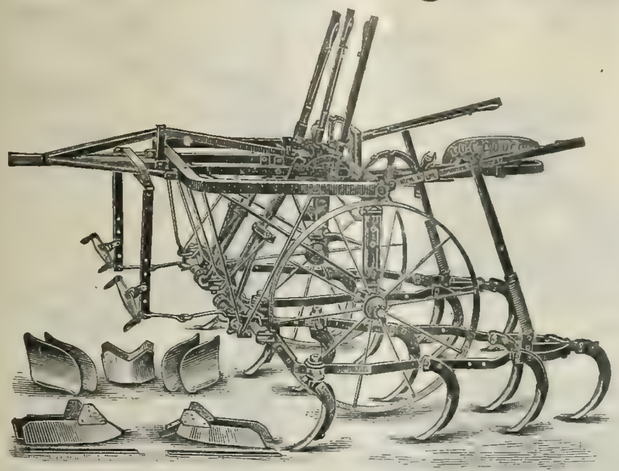
With Steel Weight Boxes. **12 16-inch Steel Discs.**



The Reliance Disc Harrow, as shown above, is made especially for us, and is designed for farmers who want a harrow with weight boxes so that it can be weighted to work on very hard soil. The boxes are also very handy to throw loose stones into while at work harrowing. It has two levers for angling the discs, a very comfortable and durable seat, and is a first-class harrow in every way. All parts except the discs are painted bright red.

List price, $21.00. Discount for cash, $1.00.

Planet Jr. No. 72, Riding Cultivator.



NO. 72 PLANET JR. TWO-ROW PIVOT WHEEL CULTIVATOR, PLOW, FURROWER AND RIDGER.

With Lever Adjustable Gangs, Price, $50.00. Weight, packed 560 lbs. Liberal Discount for Cash.

Think of the saving made in cultivating perfectly two rows of potatoes, beans or corn or any crop planted in rows not over 44 inches apart, at a single passage. This means double speed at single cost, and the arrangement of the fourteen teeth is such that all the ground is well tilled and **no open furrows** are left next to the crop.

The center lever operates the hinged tongue, regulating the depth of the front teeth to a nicety and levelling up the machine to suit all heights of neck-yoke. The outside levers regulate the depth of the teeth in the rear, while the intermediate levers are those used in changing the width of gangs.

NO. 71 PLANET JR.

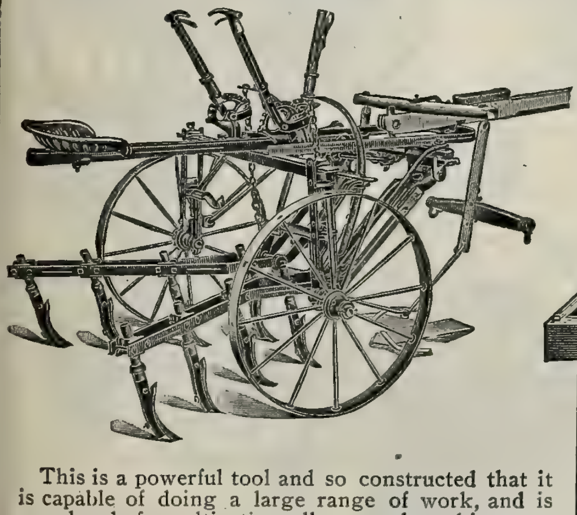
IMPROVED TWO-ROW PIVOT WHEEL CULTIVATOR, PLOW, FURROWER AND RIDGER.

Price, $45.00. Packed weight, 530 lbs.

Like No. 72 it has seven teeth on a side, and also four plows and two furrowing shovels, and the frames adjust for all rows from 28 to 48 inches. The wheels adjust from 28 to 42 inches; the wheels are also pivoted like No. 72 and steer the tool with the greatest ease.

It has adjustable seat, adjustable tongue and the front standards are adjustable, up, down and sideways; it has adjustable plant guards, and the depth of work is readily arranged by levers both front and back. The hitch is also adjustable; all like No. 72. In fact it is identical with No. 72, except that instead of the opening and closing of the frames by means of levers while in motion, it is done by loosening two bolts, setting the frame as wanted and then tightening up again. **Liberal Discount for Cash. Write for large Catalogue.**

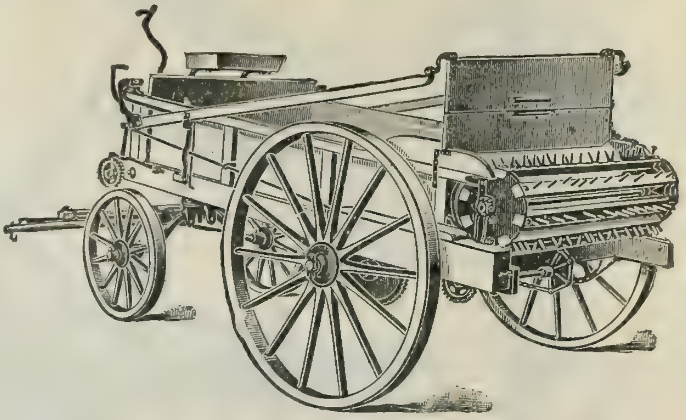
The Standard Pivot Axle Riding Cultivator.



This is a powerful tool and so constructed that it is capable of doing a large range of work, and is very handy for cultivating all crops planted in rows. The pivot axle is very handy on side hills for holding the tool up to its place. Extra teeth may be added which makes it into a riding harrow. The wheels may be adjusted in width from 38 to 54 inches for different width rows.

List Price, $30.00. Discount for Cash, $2.00

The Twentieth Century .. Manure Spreader.



Mr. Kemp's latest invention, and the best Spreader on the market at the present time. The original tight-box Spreader, and the only machine that will sow commercial fertilizers, ashes, chemicals, lime, etc. The beater device is far ahead of other makes. Strength is placed where it is needed. Easiest to operate. Change of feed done with the foot. Not room here to mention all of its good qualities, but write for complete catalogue. It will convince you that if you are in the market for a Spreader you will buy this one.

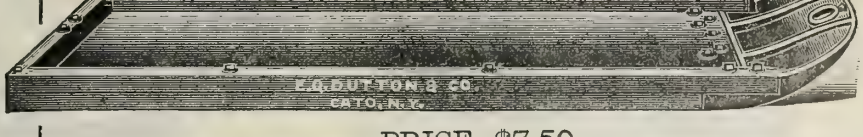
Made in three sizes:

A—30	**Bushels,**	**Price,**	**$110.00**
B—40	"	"	**115.00**
C—50	"	"	**120.00**

Two Useful Articles
THAT FARMERS NEED!

The illustration below shows a simple device whereby a stone boat can be made in a few minutes by using a straight plank with the addition of the Iron Head. Anyone in need of a stone boat will readily see how easy it is done, and as one head will last for years, it is not only cheap but durable.

Illustration below shows Stone Boat Complete.

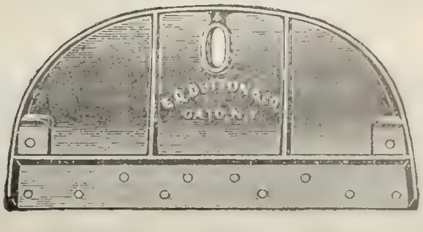

E. O. DUTTON & CO.
CATO, N.Y.

PRICE, $7.50.

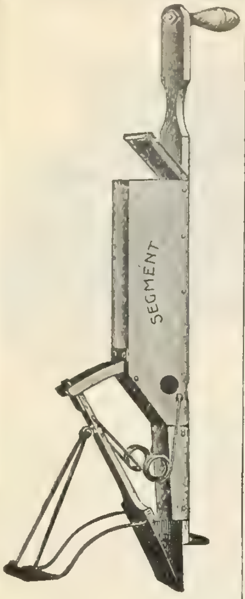
IRON STONE BOAT HEAD.

The illustration shows the Cast Iron Boat Head ready for the plank, and where they can be had easily it is cheaper to buy simply the Head and make the boat yourself.

PRICE, $3.50.



The Segment One-Hand Corn and Bean Planter.

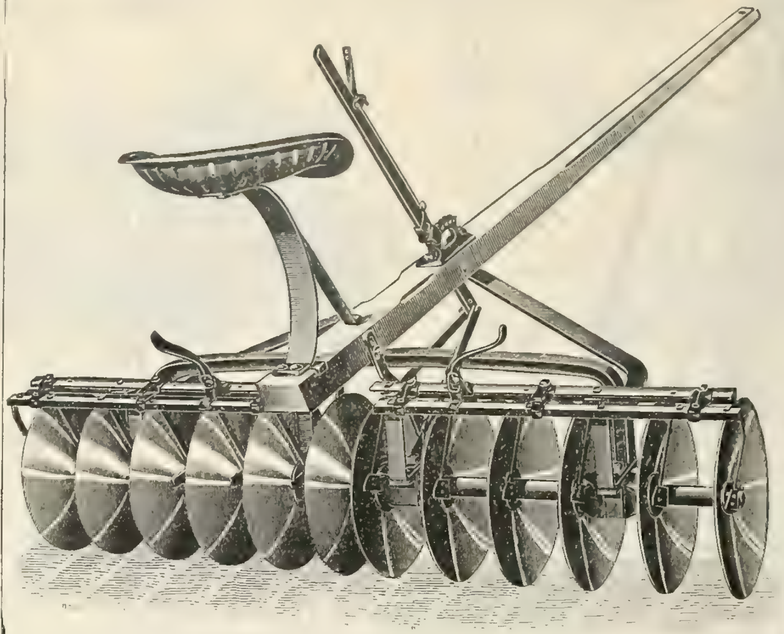


Lightest, most accurate, strongest and most up-to-date planter on the market. All parts are interchangeable.

Price, **$1.75**
Discount for cash, 25cts.

THE STERLING DISC HARROW.

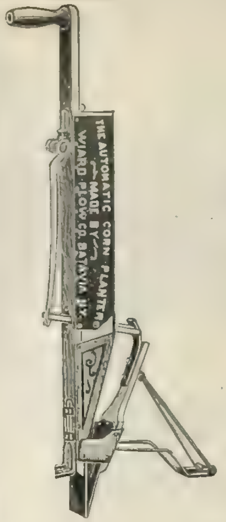
The Best Low Priced Disc Harrow on the Market.



A good low priced disc harrow, runs on ball bearings, has high seat, made with both round and cut out discs. Price, Round Disc, $19.00, Cut Out Disc, $20.00.

Discount for cash, $1.00.

We also have a limited quantity of the All Steel Flexible Disc Harrow that we want to close out, as they will not be manufactured in the future. Price, Round Disc, $20.00 Cut Out Disc, $21.00. Discount for cash, $1.00.

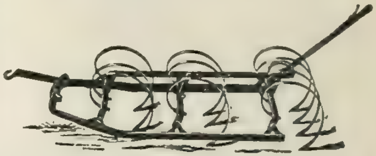


Automatic Hand Corn Planter.

Very handy for replanting, and for small gardens.

Price, **$2.00.**
Discount for cash, 25 cts.

The Syracuse One Horse Spring Harrow.

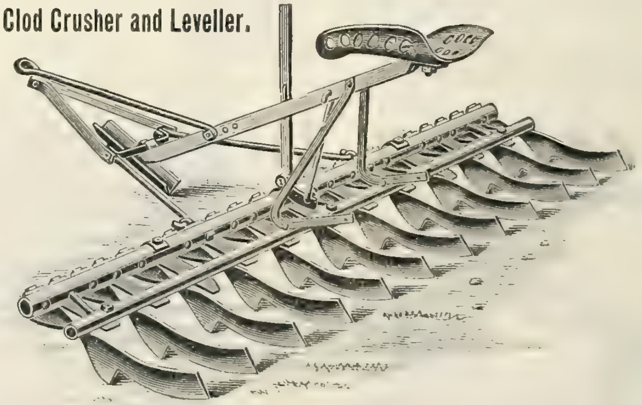


We have sold this harrow for the past four seasons and it has given perfect satisfaction. It has ten spring teeth, oil tempered, and is adapted for all kinds of work.

List price, **$9.00.**
Discount for Cash, 50 cents.

The "Acme" Pulverizing Harrow, Clod Crusher and Leveller.

"Acme" Harrow. The best General Purpose Harrow.

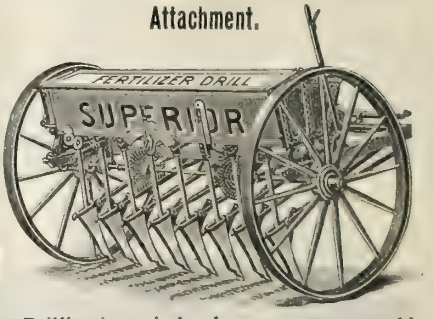


A general purpose harrow that will crush, cut, lift, turn, smooth and level the soil to perfection, all in one operation. While pre-eminently adapted for heavy, stubborn land, it can be adjusted, by means of the levers and runners, to do perfect work on the lightest soil. It cuts the entire surface without disturbing sod or trash that has been turned under by the plow. It prepares a perfect seed bed, and also covers seed in the best manner. The draft is reduced to a minimum. Being made entirely of cast steel and wrought iron, it is practically indestructible. Nothing but the coulters can possibly wear, and these are readily replaced at a trifling cost.

PRICES AND SIZES:

No. 23. Regular size, 1 and 2 horse, made in two sections. List price, **$18.00.** No. 25. Orchard Cultivator. List price, **$25.00.** Discount for cash with order, 10 per cent.

Superior Grain Drill With Fertilizer Attachment.

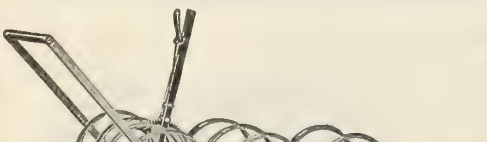


Drilling in grain has become more general in New England each year and of all the different drills on the market, we believe the Superior Hoe Drill is the one best adapted for New England trade, as it will work on our stony fields much better than the disc drills.

The main features of this drill differ very little from other styles. It has the same style frame and the same arrangement for changing the feed and all other parts similar. With this machine grain and fertilizer may be drilled at the same time, and where any amount of grain is sown, we recommend this drill as it will do the work much better.

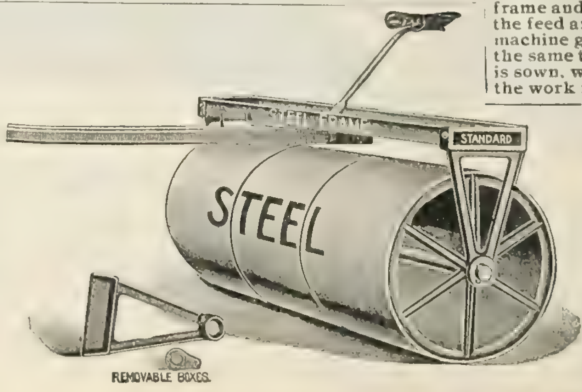
As there are so many styles and prices, we will not attempt to list them all. We have found the 11-7 drill the best adapted for New England. We will mail, on request, complete catalogue showing all styles. Price, 11-7 Grain Drill complete with fertilizer attachment, **$85.00.**

The Badger One-Horse Spring Tooth Harrow and Cultivator.



This is one of the handiest tools a farmer can have. It will do work equally as well as a two-horse harrow, having the same teeth, only a trifle smaller. We offer this harrow at a very low price.

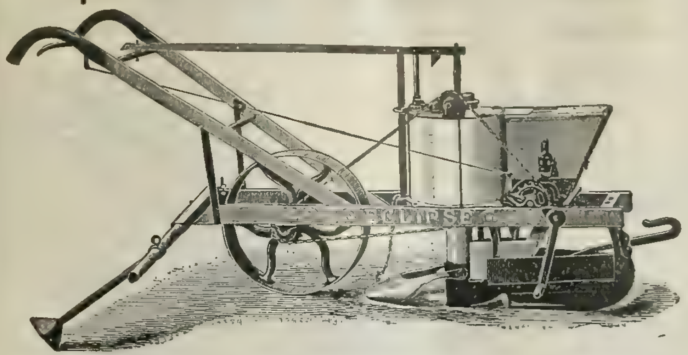
Price, **$9.00.** Discount for cash, 50 cents.



Superior Steel Roller.

We have bought a large lot of this style of rollers in one size only, and shall sell them while they last at a lower price than they have usually sold in carload lots. Size 6 feet, 3 sections, each 24 in. high, steel frame, steel head. Net cash price, **$21.50.**

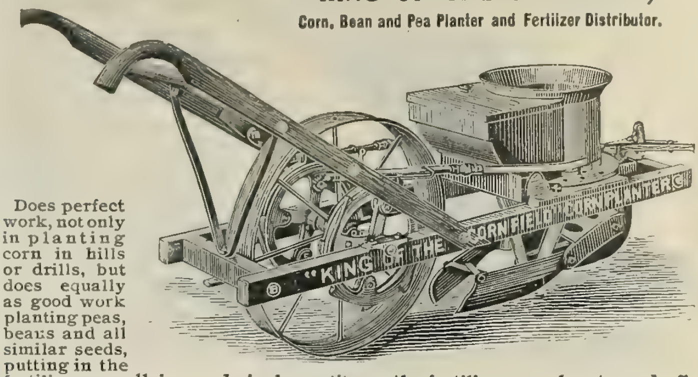
Eclipse Corn Planter and Fertilizer Distributor.



Plants field or ensilage corn, beans, peas or beet seeds in hills, drills or checks; it will drop 6, 12, 24, or 36 inches apart. By scattering pumpkin seeds in with the fertilizer in filling the hopper will place seeds in hills when planting corn. It accurately distributes from 50 to 450 lbs. as desired, of commercial fertilizer, wet or dry, in the rows of hills, first drawing moist earth on the seed before the fertilizer is dropped each side of the seed, and all is covered to a uniform depth. Price complete, **$21.00**; discount for cash, **$1.00.**

"KING OF THE CORNFIELD,"

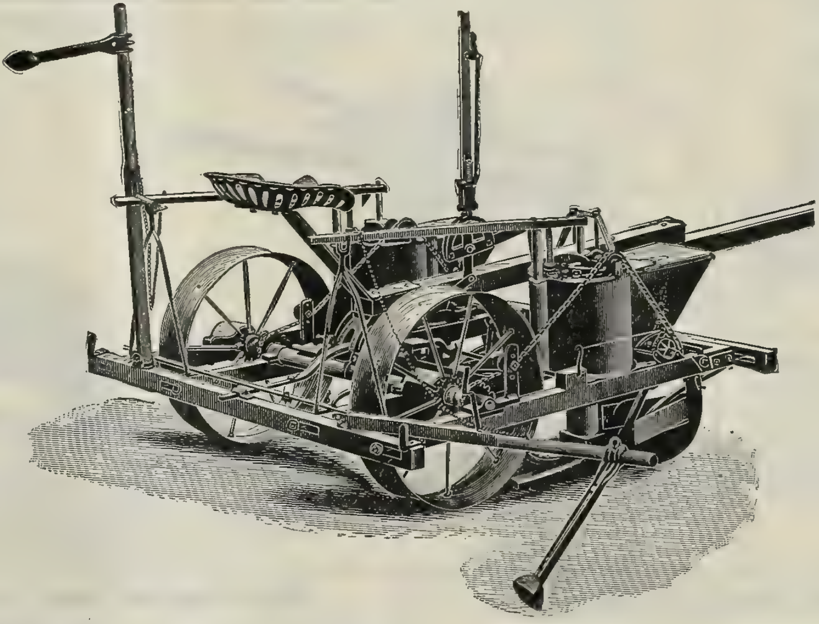
Corn, Bean and Pea Planter and Fertilizer Distributor.


"KING OF THE CORNFIELD CORN PLANTER C

Does perfect work, not only in planting corn in hills or drills, but does equally as good work planting peas, beans and all similar seeds, putting in the fertilizer as well, in any desired quantity, or the fertilizer may be stopped off altogether, if desired. Another great feature in this machine, corn and beans may be planted at the same time in the same row, the beans half way between the corn, or 4½ or 9 inches from corn, as desired. The fertilizer may be put with the corn and left out of the beans, if desired to do so. List price, **$21.00**; discount for cash, **$1.00.**

Eclipse Two-Row Two-Horse Corn Planter.

The Most Complete, Accurate, Durable and Easily Handled Double Row Corn Planter in the Market.



All the good points found in the well-known and popular "**Eclipse Single Row Planter**" are retained in this machine.

The fertilizing device is acknowledged by all to be perfect. It will distribute from 50 to 600 pounds to the acre.

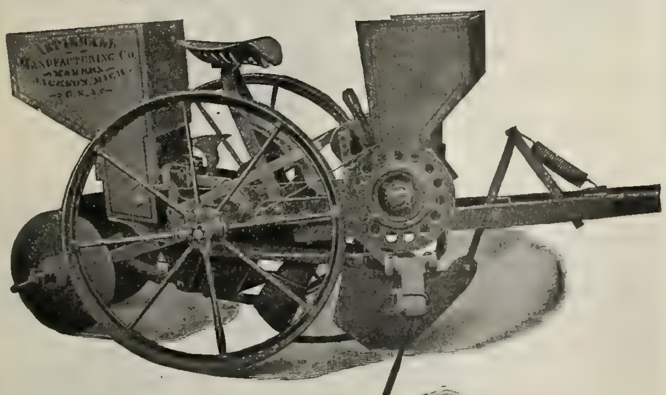
Planters can be adjusted in the frame to make the rows 36, 38, 40 and 42 inches apart. The new Marker Device, used for two seasons with perfect success on the single row Eclipse, is used on this. One move of the lever throws the machine out of gear, and at the same time raises the planter and coverers ready for turning the team at end of rows.

The check is operated with the foot when found desirable to have hills in line for cross cultivation.

For those planting 10 or more acres, and farmers that plant for their neighbors, we recommend this machine.

List Price, **$50.00.**
Discount for Cash, **$2.00.**

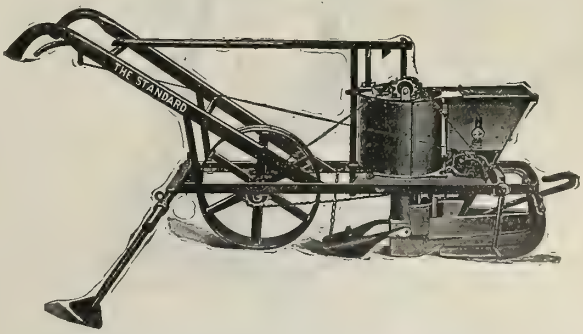
The New Aspinwall Potato Planter with Fertilizer Attachment.


ASPINWALL MANUFACTURING CO. JACKSON, MICH. U.S.A.

Loose Furrow, Anti-Packing Plow. All Parts Automatic and Adjustable. Deposits the Fertilizer Where It Will Do the Most Good.

The New Aspinwall Potato Planter with **Fertilizer** Attachment embraces more substantial improvements and desirable features than any other make. Instead of depositing the fertilizer from the rear of the machine, partially mixing it with the earth as the furrow is being closed, they have transposed the location to the front and arranged the plow to open a deep furrow, where the fertilizer is deposited, being mixed and covered with the earth, putting it underneath and in advance of dropping seed. List Price, **$70.00**; discount for cash, **$5.00.** Corn Planter attachment, **$5.00** extra.

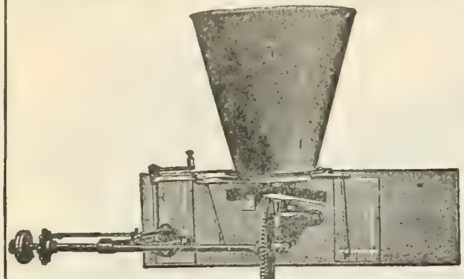
The Standard Corn Planter.



The Standard Planter shown above is in many ways the same as the Eclipse shown on the top of the page, and nearly all the parts will interchange. The principal difference is in the frame, which is made of steel instead of wood.

It will plant in hills, drills or checks, in various quantities as desired, field or ensilage corn, beans, peas or beet seeds at a variety of distances. Price, **$20.00.** Discount for Cash, **$1.00.**

Farmer's Friend Seed and Fertilizer Sower.

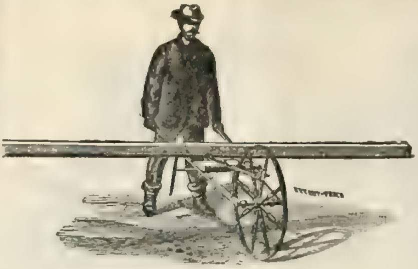


Attaches to any ordinary farm wagon, and sows to perfection grass and grain seeds of all kinds and in any desired quantity per acre, 50 to 100 acres a day. It also distributes all dry commercial fertilizers, also ashes, land plaster, lime, etc. It has a positive force feed and an adjustment opening the holes from ¼ to 1½ inches, which allows the sowing of seeds of any size; the flow can be shut off anywhere, either on one side or the other, or altogether, as required; it is instantly thrown in or out of gear.

Price, complete to attach to wagon, **$10.00.** Discount for cash, **$1.00.**

THOMPSON'S SEEDER.

For Broadcasting Grass, for Sowing Red Top, Clover, Timothy, and all Mixed Seeds. Light, Strong and Simple.



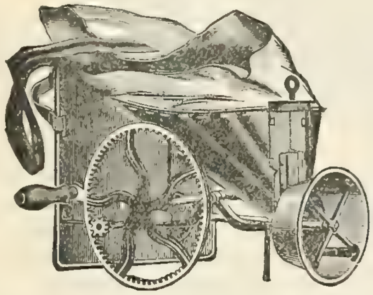
Sows uniformly the whole length of the hopper, twelve feet. Its simplicity of construction and its accuracy of work in the field places it at the head of all seeders. It has no cam or cog gearing to get out of order. It has a positive motion, and works as freely and easily when sowing as when empty. Seeding is generally done at the time of the year when winds prevail. It is then that the seeders can be used with marked success.

Seeder No. 5. Sows all varieties of Clover, Timothy, Hungarian, Millet, Alfalfa, Chaffy Seeds, like Red Top, Orchard Grass and Kentucky Blue Grass. This style machine is made expressly for New England trade. List price, **$10.00.** Discount for cash, $1.50.

No. 4. Grain Seeder Box, 10 feet, for sowing all kinds of grain. This box fits on to No. 5 Seeder, and with both boxes all kinds of grain and grass seeds can be sown. List price, **$5 00.** Discount for cash, $1.00.

No. 5 Seeder and No. 4 Grain Box. List price, **$15.00.** Discount for cash, $3.00.

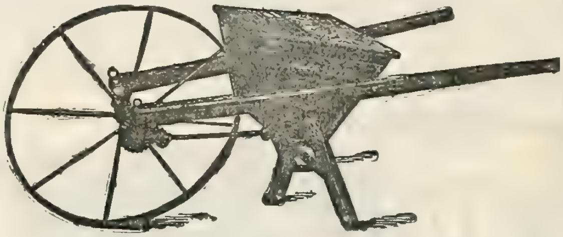
Cahoon's Improved Broadcast Seed Sower.



Will sow all kinds of grass and grain seeds from 4 to 8 acres per hour at a common walking gait. Heavy seeds, such as wheat, it will throw 40 feet (20 from each side of the operator); lighter seeds, of course, will not be thrown so far.

Price. **$3.50.**

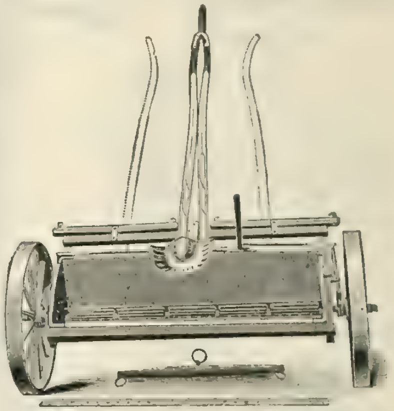
Keystone Jr. Hand Fertilizer Distributor.



This machine is very handy for small truck farmers and gardeners for sowing all kinds of commercial fertilizers. Its distributing disc is made of galvanized iron which prevents rusting. The cut-off is operated with the foot so that it does not scatter in turning at the end. Has 24-inch wheel designed to be used by hand, but a horse may be attached if desired.

List price, **$8.50.** Discount for cash, 50 cts.

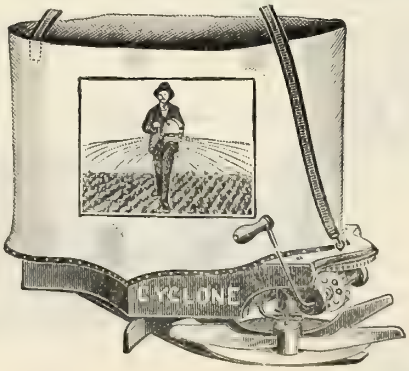
The Stevens Fertilizer Sower.



The latest improved and best machine for sowing all kinds of artificial fertilizer, such as bone, phosphate, cotton seed meal, ashes, lime, etc., either damp or dry, in drills or broadcast. Unequalled for top-dressing grass lands, lawns or large parks.

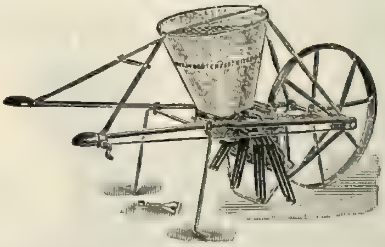
List price, **$50.00.** Discount for cash, $5.00.

The Cyclone Broadcast Seeder.



This is the cheapest and best of the hand seed sowers on the market, and every one sowing one acre or more of grass seed or grain cannot afford to be without it. Will sow Timothy, Clover, Wheat, Oats, Rye, Buckwheat, Hungarian, Red Top, Millet, and all other grains and seeds perfectly even, and any desired amount to the acre, and from 40 to 60 acres a day. The machine is first-class in every respect. We guarantee the seeder to give satisfaction, or money refunded. Net price, **$1.50.**

Mc Whorter Hand Fertilizer Sower.



This is a new fertilizer distributer for us, but we have tested it carefully and believe it to be the best one on the market. It sows either in drills or broadcast.

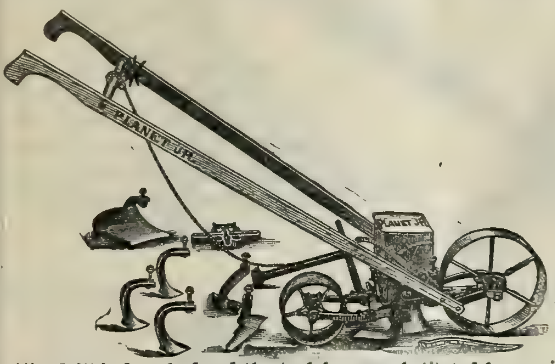
An Important Feature.—The fertilizer can be instantly divided from one into two or more streams, and thus be applied beside or on two or more rows of plants at the same time. An examination of the cut in this circular will give a very clear idea as to how this may be done. The spouts or channels through which it passes to the ground open and close, so that starting with a width of about 4 inches the spread can be gradually increased to 30 inches.

This is especially adapted for top dressing strawberry beds and lawns. Price, **$11.00.** Discount for cash, $1.00.

Catalogue of other styles mailed free.

The "PLANET JR." No. 4.

Combined Hill Dropping Seeder and Single Wheel Hoe.

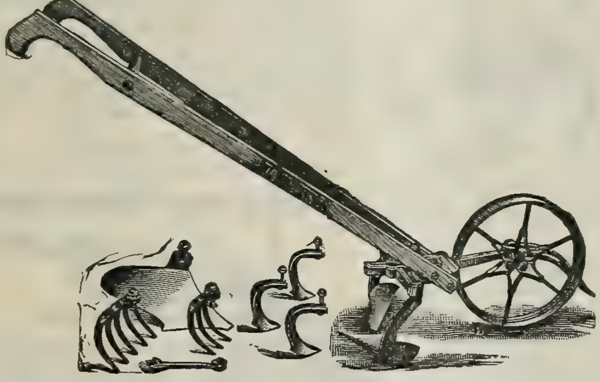

PLANET JR.
PLANET JR.

This is exactly the same style of seeder as the No. 5 "Planet Jr." Hill Dropper, only smaller in capacity. It drops in hills at 4, 6, 8, 12 and 24 inches apart, and in drills any thickness, handling the smallest paper of seed perfectly. Throws out of gear instantly by simply raising the handles. The index is accurate, plain and easily set. The drill is detached and the tool frame substituted by moving but one bolt. It then becomes one of the most admirable Single Wheel Hoes. It has a garden plow, two hoes, three cultivating rakes, new form and made to fit 6, 9, 12, 14 and 16-inch rows, three cultivator teeth and a practical leaf guard.

Price, complete, $10.50; as a Drill only, $8.50.

"PLANET JR." No. 16.

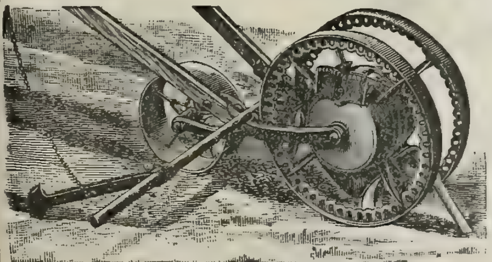
Single Wheel Hoe, Cultivator, Rake and Plow.



This Wheel Hoe is identical with No. 15, except that it has fewer tools, but the price is proportionately lower, and the remaining tools may all be added as wanted. The equipment is a most useful one and will be found just right for a great variety of work. The frame changes in height, and the wheel to the other side of the frame, to hoe both sides of the row at once.

PRICE, $5.85.

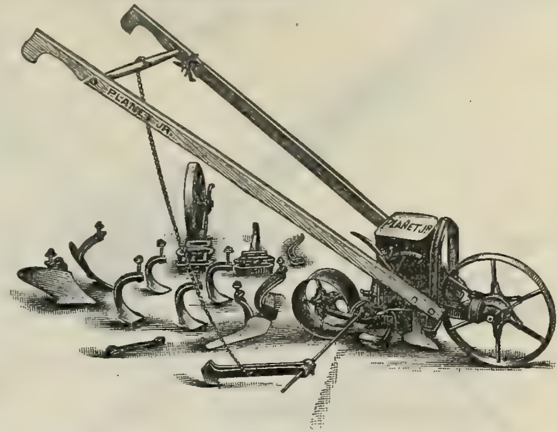
The "PLANET JR." No. 2 Seed Drill.



This tool is known the world over, and with the exception of the "Planet Jr." Hill Dropping Drills is the most perfect drill known. It holds two and one-half quarts.

The drill sows in an even, regular stream, whether there is much or little in the hopper. The opening plow, being directly between the wheels, follows all irregularities of the ground, is adjustable, and once set, opens the furrow at a uniform depth, and the seeds are deposited in a very narrow line. The machine is extremely simple; no agitators, belts or gearing. **Price, $7.50.**

Planet Jr. No. 25 Combines Hill and Drill Seeder and Double Wheel Hoe.


PLANET JR.
PLANET JR.

This new combined machine is intended for a class of gardeners who have a large enough acreage of crops for a double wheel hoe to be used to good advantage.

Hopper holds 2½ quarts (or about 5 pounds of onion seed), and has 11¼ in. wheels.

It is almost identical with the No. 4 drill; will sow in drills or hills 4, 6, 8, 12 or 24 inches apart and has the same automatic device for throwing out of gear and the new combined cut-off and seed index, with thumb screw adjustment.

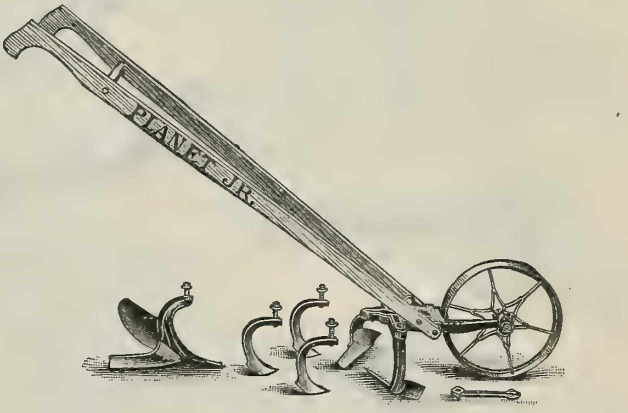
As a wheel hoe it is identical with the No. 12 double-wheel hoe.

The change from drill to wheel hoe takes but a moment, and the entire combination is one we can heartily recommend and guarantee satisfactory.

Net Price, $13.50

"PLANET JR." No. 17.

Single Wheel Hoe, Cultivator and Plow.

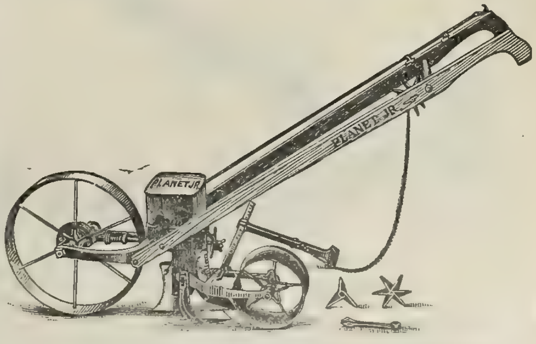


This also has the same frame, handles, etc., as No. 15, but is supplied only with a pair of 6-inch hoes, a set of cultivator teeth and a plow, a sufficient outfit for most gardening work. The others can be added at any time. The frame changes in height, and the wheel to the other side of the arm, then working both sides of the row at once.

Price, No. 17, $5.00; No. 17½, $4.50; No. 18, $3.50

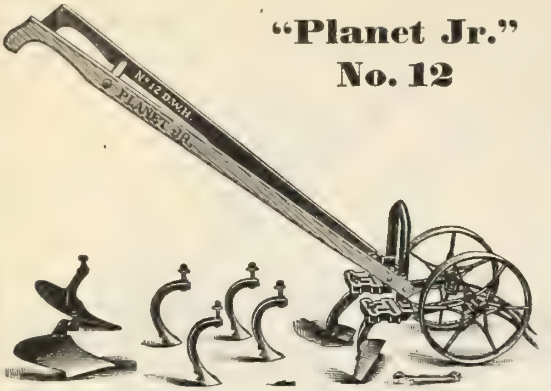
No. 17½ is same as No. 17, less the plow.
No. 18 is same as No. 17, with hoes only.

"PLANET JR." No. 3. Hill Dropping Seed Drill.


PLANET JR.
PLANET JR.

A fine Hill Dropping Seeder with hosts of friends. This drill will sow in a continuous row, in the ordinary way, with the greatest regularity; but its distinctive feature is that it will drop neatly in hills, either, 4, 6, 8, 12 or 24 inches apart. The wheel is 15 inches high, with a broad face. Is changed in a moment from hill dropping to drill work. Sows equally well whether the hopper is full or contains only a paper of seed, and will not injure delicate seeds such as radish, cabbage, etc., which are so often peeled or crushed by imperfect seeders. The plow is adjustable and opens a very narrow furrow which is a great advantage for after cultivation. 1896 was the first year that this machine was sold widely by the manufacturers of the celebrated line of "Planet Jr." goods, but it has since been bought very largely by careful gardeners and nurserymen and has given entire satisfaction. **Price, $10.50**

"Planet Jr." No. 12

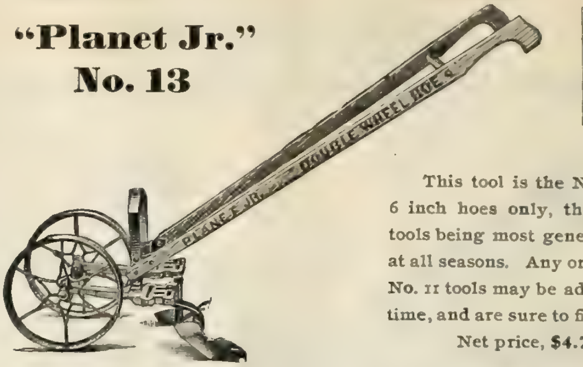

No 12 D.W.H.
PLANET JR.

This tool is identical with No. 11, except that it has a less complete equipment, as shown in the cut, but at a correspondingly less price.

The set of tools with No. 12 is what gardeners need most, and the rest can be added as wanted.

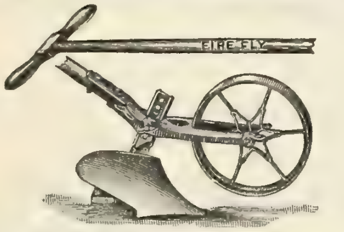
Net price, **$7.50**

"Planet Jr." No. 13



This tool is the No. 11, with 6 inch hoes only, this pair of tools being most generally used at all seasons. Any or all of the No. 11 tools may be added at any time, and are sure to fit.

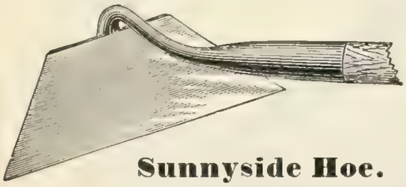
Net price, **$4.75.**



The "Fire-Fly" Plow

This tool is invaluable for those who have small gardens. The moldboard is tempered and polished steel. The depth may be changed very quickly. The low price brings it within the reach of all. Very useful to plow up the chicken yards.

Price, **$2.35.**

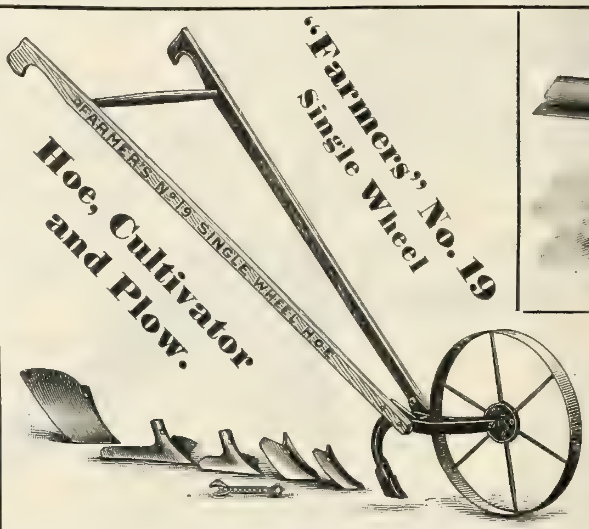


Sunnyside Hoe.

The above cut shows the Sunnyside or Strawberry Hoe, invented several years ago by one of our largest strawberry growers and since then used by several of the leading fruit growers in the state. It is especially adapted for small fruits and close cultivation.

Price each, **50c.;**

"Farmers" No. 19 Single Wheel Hoe, Cultivator and Plow.


FARMER'S No 19 SINGLE WHEEL HOE

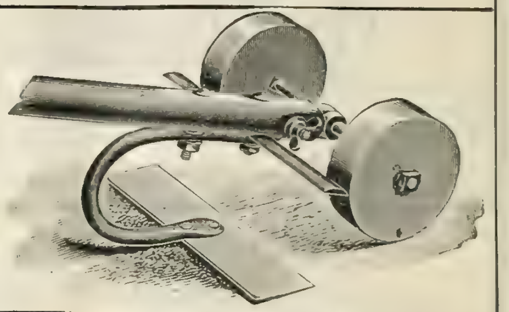
This new and attractive implement is especially designed for the farmer's garden work, though it offers to everyone with either field or garden a cheap and effective tool for all hand wheel hoe operations.

The Wheel is high and is made with stiff steel rim and spokes, and a combination steel and malleable iron hub. The wheel arms are steel and the frame of the tool is attached adjustably to the wheel arms, so that the height of the handles may be readily changed to suit man or boy.

The Standard is slotted to make regulation of depth easy.

The tools are as follows: One Large Garden Plow, One Ten Inch Sweep, One Six Inch Sweep, One Four Inch Cultivating Tooth, One Two Inch Cultivator Tooth.

Price, **$3.75.** Discount for cash, 25c.

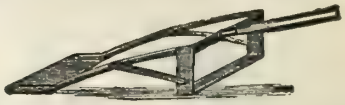


The Sheldon Wheel Hoe.

A low-priced, but very efficient little implement for flat or scuffle hoeing. Either in gardens, where it cuts off all weeds, or for cleaning walks of weeds and grass it is equally useful. It is a very easy-working tool with a sharp steel blade, a 7-foot handle and wooden wheels.

Net price, **$1.50.**

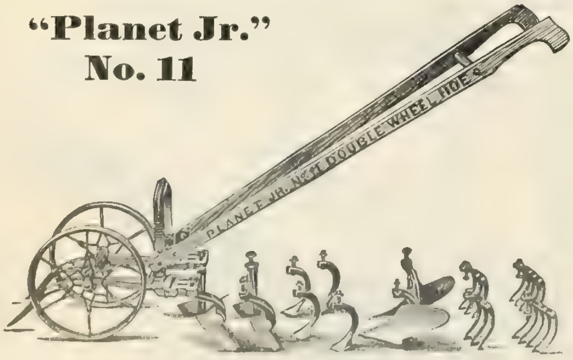
Arlington Slide Hoe.



Used by nearly all of the large market gardeners. Where there are no stones it will do excellent work and do it fast. Made in three sizes.

8 in., **$1.50**; 9 in., **$1.65**; 10 in., **$1.75.**

"Planet Jr." No. 11


PLANET JR. No 11 DOUBLE WHEEL HOES

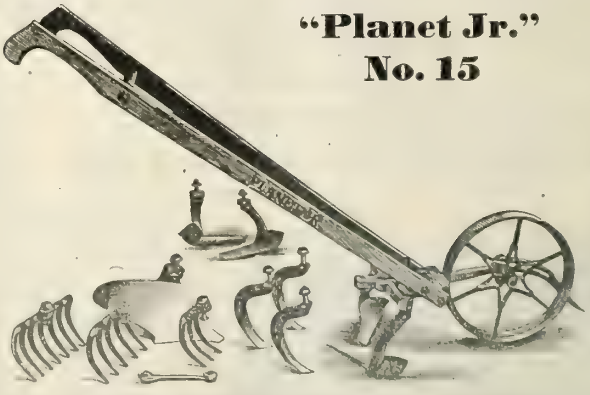
Double Wheel Hoe, Cultivator, Rake and Plow.

The Latest and Best Double Wheel Cultivator, Etc.

The latest improved double wheel machine, combining all of the merits of the older styles, with several desirable new features. The wheels, 11 inches in diameter, can be set 9 or 11½ inches apart for narrow rows, and 4 inches apart when used as a single wheel hoe; the frame is malleable, with a quick change device so the position of the tools may be changed without removing the nuts; the arch is 20 inches high, allowing it to straddle crops when well grown. The outfit of tools comprises the greatest variety and all of the latest designs, covering every possible need.

Net price, **$9.00.**

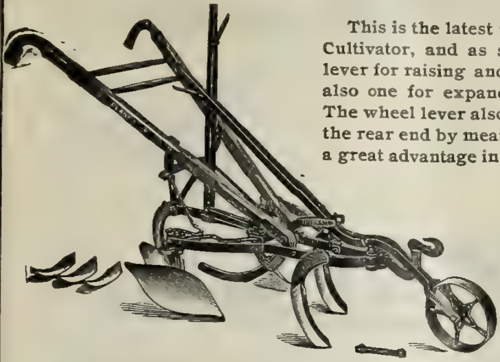
"Planet Jr." No. 15



Single Wheel Hoe, Cultivator, Rake and Plow.

This latest and best Single Wheel Hoe has an 11-inch wheel, with broad face, and a conveniently arranged set of tools, several of them being of a new special design, such as have been found to perform Wheel Hoe work in the very best manner. Has adjustable handles, and frame especially adapted for quick changing of teeth. It is a most perfect Wheel Hoe for market gardeners or for private places. The tools are a well-shaped plow for plowing, marking out, covering and late cultivation; a pair of neat 4-inch shield hoes, just right for hoeing in rows from 9 to 12 inches, and a large pair for wider work; and three cultivator teeth. Also a set of three rakes just right for 6, 9, 12 and up to 16-inch rows, with two arranged side by side; the rakes are just the thing for preparing ground for the seed drill. A practical leaf guard completes the equipment. The frame changes in height, and the wheel to the other side of the frame when both sides of the row can be hoed at one passage. Price, **$7.00.**

THE PLANET JR. No. 8.



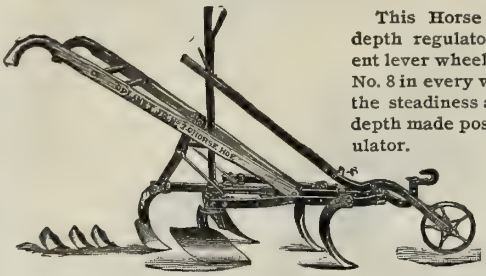
This is the latest pattern Horse Hoe and Cultivator, and as shown in cut, it has a lever for raising and lowering the wheel; also one for expanding and contracting. The wheel lever also governs the depth of the rear end by means of a shoe, which is a great advantage in sandy ground.

List price $8.50.

Discount for cash, 50 cents.

THE PLANET JR. No. 7.

Horse Hoe and Cultivator.

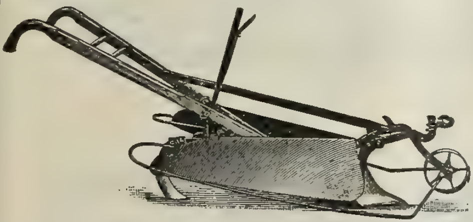


This Horse Hoe is No. 8, without depth regulator, and a slightly different lever wheel. It works the same as No. 8 in every way, except that it lacks the steadiness and absolute control of depth made possible by the depth regulator.

All the attachments that are used on the No. 8 can be used on this style.

List price, **$8.00** Discount for cash, 50 cents.

THE PLANET JR. CELERY HILLER.

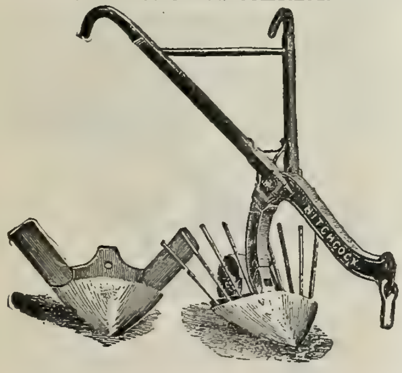


This tool is used largely by celery growers for banking celery in the fall. We can furnish both single or double. The single is used mostly, and will do the work of five men.

List price, double............. $14.00.
List price, single............... 11.00.
Discount for cash, 50 cents.

THE HITCHCOCK POTATO DIGGER

And Shovel Plow Combined.

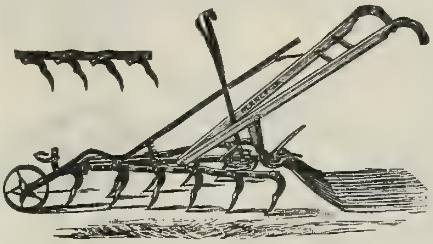


This implement, though very simple in appearance, is as near perfect as can be attained and come within the reach of every farmer. By the changing of one bolt it may be converted either into a shovel plow or potato digger. The fingers are adjustable, being held in position by the plow point. Thus, in case of breakage, a new part may be inserted. The fingers, points and wings are made of steel.

Hitchcock Potato Digger, $8.00. Hitchcock Potato Digger and Shovel Plow combined, $10.50. Discount for cash, 50 cents.

THE PLANET JR. 12-TOOTH HARROW,

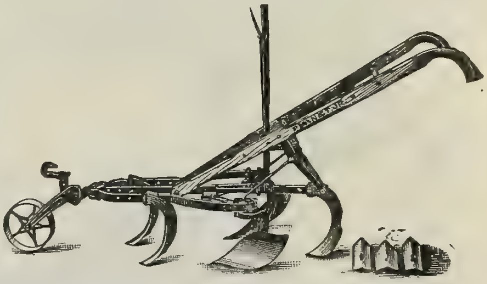
Cultivator and Pulverizer.



This thorough working and convenient tool has grown in favor among strawberry growers, market gardeners, truckers and farmers. This is because the twelve chisel-shaped teeth do such capital work, without throwing earth on small plants, and because the tool is so convenient, durable and strong, the combination of teeth and pulverizer leaving the ground in the finest condition. The pulverizer also enables the operator to set the tool, in conjunction with the wheel, to any exact depth desired, making delicate work not only possible, but very easy. It is invaluable in narrow rows and delicate work in market gardens and close work on the farm, and is fine for preparing seed beds. The implement is fitted with lever wheel and lever expander, so the depth or width can be changed instantly while in operation; it contracts to 12 inches, and expands to 32 inches. The handles can be raised or lowered to suit the driver.

List price, with pulverizer as shown, **$8.50.** Less pulverizer, $6.90. Discount for cash, 50c.

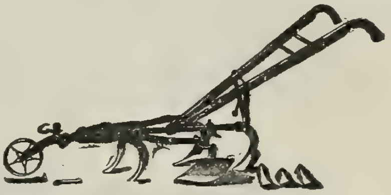
No. 9 HORSE HOE AND CULTIVATOR.



This admirable tool is identical with the No. 8, except that it has a plain instead of a lever wheel. It has the high frame, patented hollow steel standards, patent lever Star wheel, new lever expander, and new hollow steel wheel arms.

List price, $7.40. Discount for cash, 50 cents.

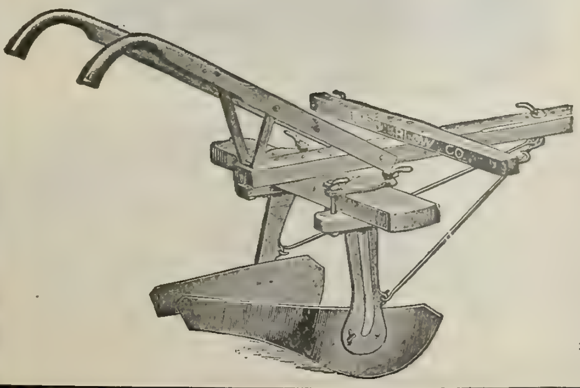
No. 4 HORSE SHOE AND CULTIVATOR.



This tool is low in price, strong and simple; it has the old favorite stirrup clamp and plain expanders; they cost a trifle less than the lever, but are less convenient. List price, $6.35. Discount for cash, 50c.

New Model Horse Hoe.

* * *

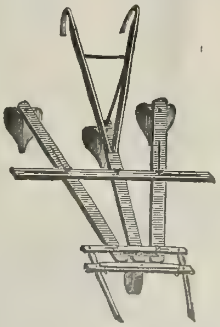


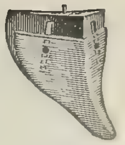
Cheapest and best two-horse hoe on the market.

Can be used for furrowing out, covering and hilling up. Frame is made of oak, hillers of polished steel. Price $10.00. Discount for cash, $1.00.

* * *

THE GOSLEE IMPROVED MARKER.





Adjustable Tooth

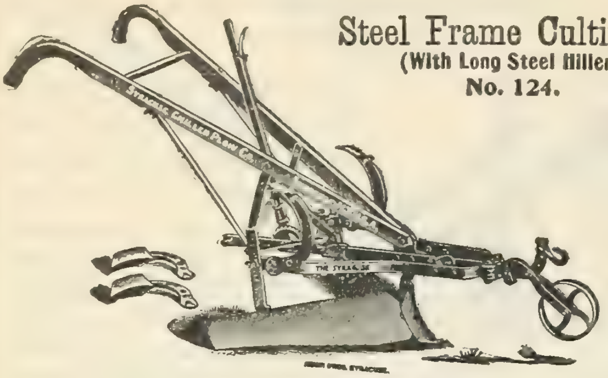
Spreads 2 to 4 feet.

This machine is designed to mark out rows of any width, and in doing so it makes a furrow suitable for planting. It is used largely by tobacco growers as it makes a furrow deep enough for the fertilizer. Price, $7.50. Discount for cash, 50c.

Steel Frame Cultivator.

(With Long Steel Hiller.)

No. 124.


SYRACUSE CHILLED PLOW CO.
THE SYRA. N.Y.

This tool is similar to the No. 123, shown below, but in place of the short steel hiller wing we use the long hiller, same as on No. 101. This makes a lighter tool and one that can be used for furrowing as well as hilling, and it is sold at a very low price. List price, **$7.00**; discount for cash, 50c.

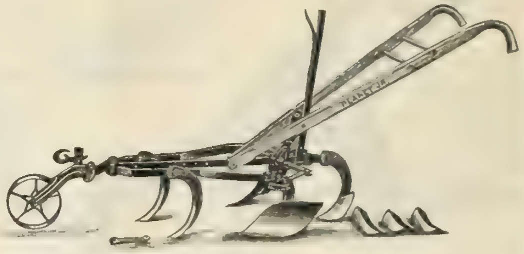
Planet Jr. Horse Hoe No. 5.

HORSE

HOE

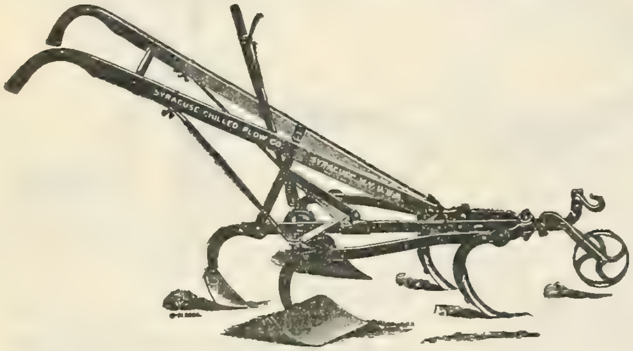
AND

CULTIVATOR.



This is similar to No. 9, without the handle brace, and has a cheaper, but good substantial adjusting lever, and is sold at a popular price and is superior to many that have sold for seven and eight dollars. List price, **$6.50**; discount for cash, 50c.

Steel Frame Cultivator No. 123.

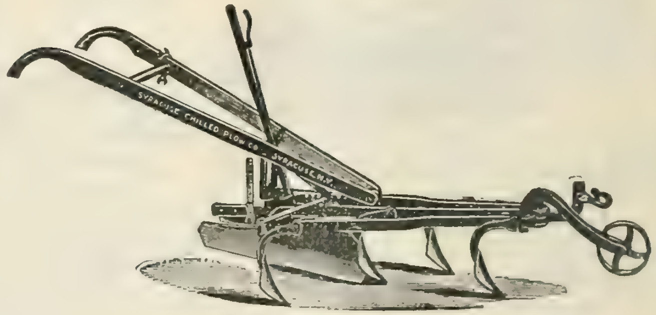

SYRACUSE CHILLED PLOW CO.
SYRACUSE, N.Y.

This series of Cultivators meets the demand for a good cultivator at a low price. The points and standards are of the same stock as used in No. 101, but the frame is somewhat shorter and a trifle lighter. The standards are adjustable for pitch. The handles can be raised or lowered, or shifted to the right or left.

No. 123 (as shown in cut)—Expanding Lever, five 3-inch Points, Wing Points, Shovel Point and Wheel. List price, **$6.00**; discount for cash, 50c.

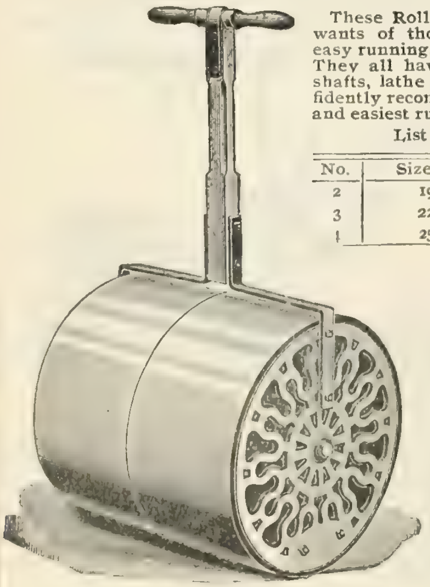
No. 121.—Same as above less the horse hoe attachment, 50c. less.

Steel Frame Cultivator No. 101.


SYRACUSE CHILLED PLOW CO.
SYRACUSE, N.Y.

This cultivator is simple, strong and easy to operate. Has no "Dead Centers," and no Loose Joints. The frame and standards of these cultivators are very strong; made of solid steel; the side bars are so curved as to make the teeth run parallel, and also to make all standards interchangeable; square bolt-holes prevent any bother from bolts turning around, and all parts are made with accuracy and nicety of finish. It can be changed to use as a plow, cultivator, horse hoe, coverer and furrowing plow; no extra parts other than those shown in the cut required. List price, **$8.00**; discount for cash, 50c.

Ornamental Iron Garden Roller.



These Rollers are designed to meet the wants of those who desire a first-class, easy running, handsome and efficient roller. They all have polished machinery steel shafts, lathe bored bearings, and are confidently recommended as the most effective and easiest running Cast Iron Roller made.

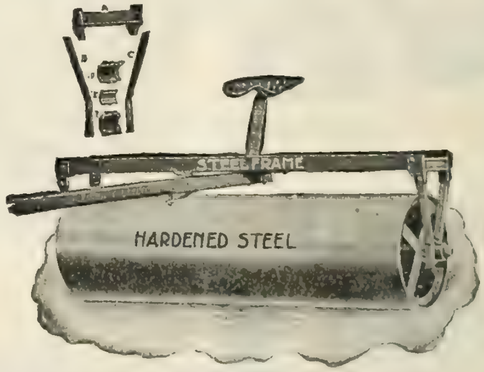
List of Sizes and Weights.

No.	Size, Diam.	Weight.	Price.
2	19 x 21	200 lbs.	$11.00
3	22 x 22	250 lbs.	13.50
4	25 x 23	300 lbs.	16.00

All these Rollers have Two Sections and Automatic Handles.

Discount for cash: 50 cents on No. 2 and $1.00 on Nos. 3 and 4.

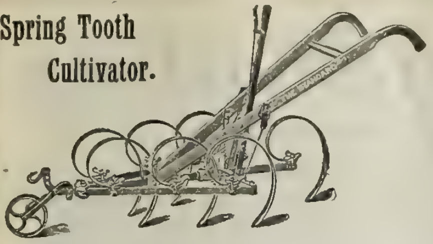
Dunham All Steel Land Roller.



The Dunham Steel Land Roller with New Steel Brackets, will not break or bend. These brackets are supplied with a removable Babbit Metal journal boxing and are equipped with a large oil chamber that requires attention but once a year. These features together with the Lathe Turned Journal make a bearing that will wear for years. The drums are made of heavy plates of high carbon steel, guaranteed not to dent. The heads are made of high grade pig iron, which are less liable to break than many others on the market. The shafts are 1 ¾ in. in diameter. Heavy angle steel frames, easy riding, double leaf seat spring, seat so adjusted as to counteract the weight of tongue on horses' necks. All of these are valuable features and should be on the Roller you buy, for you want the best.

No. 2. 6 feet, 3 Sections, 24 in. Price	$25.00
No. 3. 7 " " " " " "	26.00
No. 6. 8 " " " " " "	27.00
Discount, for cash	$1.00

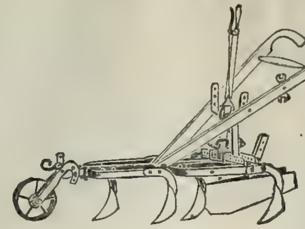
Spring Tooth Cultivator.



This Cultivator is especially adapted for use in stony ground, The frames are steel, strong, and well put together throughout. The castings are malleable. The teeth are fine oil-tempered springs, and are alike and interchangeable; they are also adjustable for angle and depth. The adjusting levers are of the same form and construction as those used in No. 101 Cultivator.

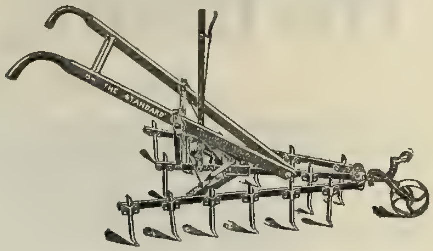
Expanding Lever, Five Spring Teeth and Wheel. List price, $6.50; discount for cash, 50 cents.

New Model Centennial Horse Hoe.



This is the most durable Horse Hoe and Cultivator on the market. The expanding lever always works easy, as it has no dead centers. It is also furnished with seven teeth and leveler. Weeder attachment for $2.00 extra. Price as shown, $8.00. Discount for cash, 50 cts.

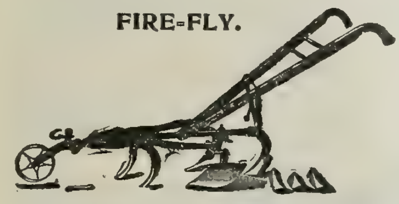
Spike Tooth Cultivator and Harrow.



Designed for cultivating between small fruits. Especially adapted to pulverize the soil and leave it smooth and level. The teeth are reversible and the pitch can be quickly changed forward or back by simply loosening one bolt at each tooth. Has 14 teeth, adjusting lever, and wheel. List price, $6.00; discount for cash, 50 cents.

The Fire-Fly Five-Tooth Cultivator.

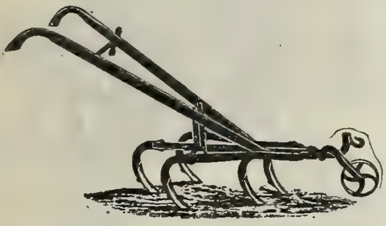
FIRE-FLY.



This is a new model 5-tooth Cultivator and Horse Hoe, with solid frame, stiff handles, adjustable in height, open frame, hollow steel standards. No expanders or hinge. Outside width of frame 18 inches.

List price as shown in cut, $5.00.
Discount for cash, 50 cents.

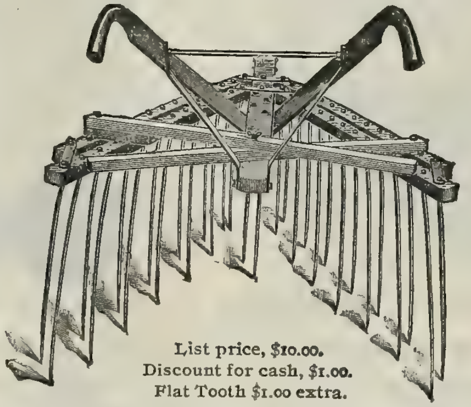
Steel Frame Cultivator.



This is a good, well made Cultivator, with steel standards, steel frame and points. Furnished with wheel only.

List price, $4.50.
Discount for cash, 50 cents.

Keystone Adjustable Weeder.



List price, $10.00.
Discount for cash, $1.00.
Flat Tooth $1.00 extra.

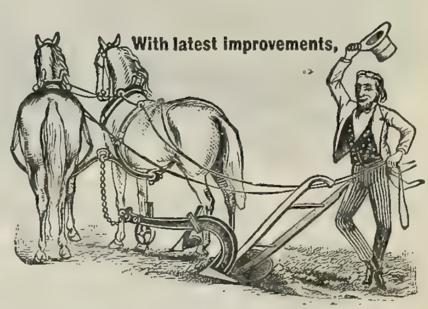
We Guarantee this to be the Best Weeder in the world or Money Refunded.

Can expand to 7½ feet. Can narrow to 30 inches.

"A stitch in time saves nine." Nowhere does this adage apply more surely than in the early and frequent use of the KEYSTONE WEEDER.

Have you considered the subject of frequent and shallow cultivation? Are you aware that this method of culture is endorsed by the most prominent authorities of agriculture, and has surely come to stay? Frequent and shallow cultivation has been demonstrated to be a success. The "Keystone" is the only Weeder that is adjustable to any depth and width. It can be used as a shallow cultivator—working close to the plants between the rows, until the crops mature—long after other Weeders are laid aside. It has no shafts that will hinder working close to the fence and prevent turning at the ends. IT WILL NOT CLOG. The long, curved, spring teeth are so placed and shaped that clogging is impossible. It is V shaped, which not only makes it a stronger tool than the straight framed Weeders, but adapts itself much better to uneven surfaces. It keeps the surface fined, to admit the air, and breaks the crust, thereby creating a mulch that absorbs the moisture and retards evaporation.

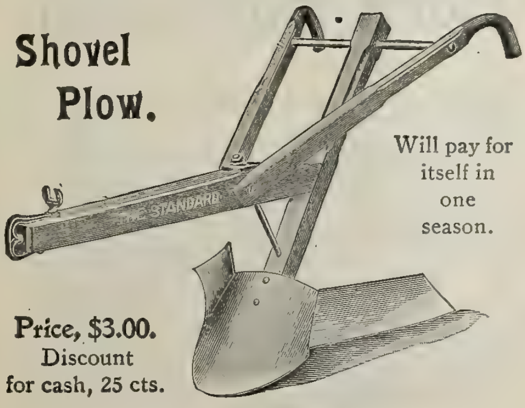
SHERWOOD STEEL HARNESS.



This Harness requires no whiffletrees, no long tugs; nothing in the way around the horses' heels; nothing to bark the trees; team works better and easier; less work for man and team. Can be used on plow, scraper or wagon.

List price, $15.00.
Discount for cash, $3.00.

Shovel Plow.



Price, $3.00.
Discount for cash, 25 cts.

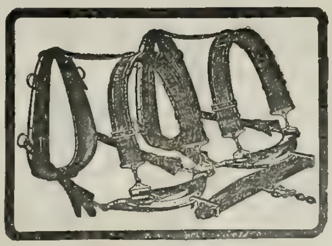
Will pay for itself in one season.

A very handy tool for furrowing out and for hilling.

◉ ◉

VERY STRONG.

The Baker Traceless Harness.



A positive necessity for fruit growers. This harness is particularly adapted for plowing, harrowing, use on scraper, stone boat, etc. It is easy to put on and take off. Each horse is harnessed separately and each is independent of the other. It will pay for itself in one season in orchard work.

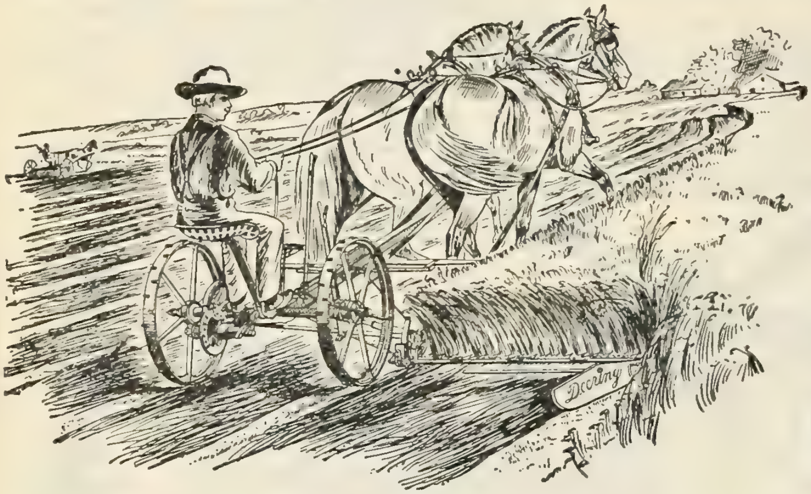
Price, with chain, $15.00.

This price does not include Collar or Bridle.

The Ideal or Bicycle Mowing Machine.

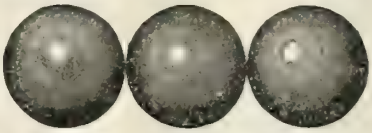
The Only Machine Made that Runs on Ball Bearings.

This machine runs on ball and roller bearings, the same as the most approved bicycles, and has the same relation to the ordinary mowing machine as the bicycle does to the old velocipede, and we defy anyone to show us one good reason for buying any other machine on account of looks, material, principle or workmanship. The mammoth works of the Deering Harvesting Co., are among the largest in the world, covering 65 acres of ground and employing over 6000 hands, not including the thousands of agents which represent them in all parts of the world. The capacity of these works is one complete machine and thirty miles of twine every minute. It costs money to equip these machines with such bearings, but we are able to offer them at but a few dollars advance above the old style machines.



One-Horse, 3 1-2 and 4 ft. Cutter Bar.
Two-Horse, 4 1-2 and 5 ft. Cutter Bar.
Giant 6 and 7 ft. Cutter Bar.
All with Ball Bearings.

If you want to know anything about the Ideal drop us a card, we undoubtedly can give you the name of some reliable farmer in your town that has one and who will explain to you the difference between the old style bearing and a ball and roller bearing. So positive is the action of the gearing on the Deering Ideal that the knife starts the instant the wheels move; and this machine can be started without backing the team in the most difficult crops; the horizontal crank shaft allows the pitman to run easy and without that jerking and jarring and wabbling on most machines. A few of its many good points are, floating cutting-bar, serrated ledger plates, foot lever for raising cutter-bar, no neck weight on the horses, and many other good points not found in any other machine.



Exact size of balls used on Ideal Deering Mower.

Nothing like them used on any other machine.

Price, 4½ Foot Cutter-Bar,	$40.00
Price, 5 Foot Cutter-Bar,	$40.00
Price, 6 Foot Cutter-Bar, Giant,	$45.00

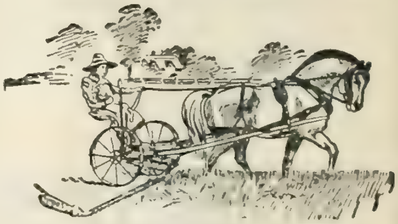
We carry over 3,000 Dollars Worth of Repairs for these Machines in Stock.

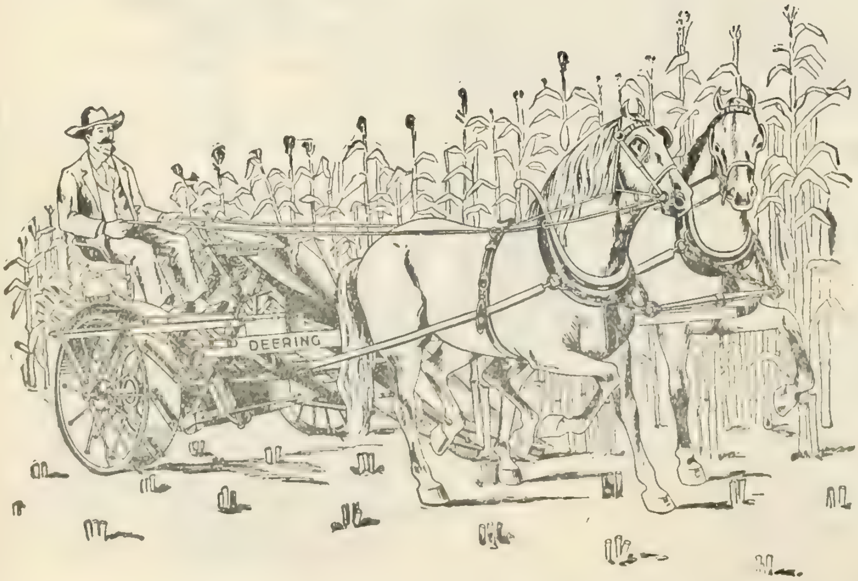
Deering Ideal One-Horse Mower, 3½ and 4 Foot Cut.

The Deering One-Horse Mower is used to cut the finest lawns in Lincoln Park, Chicago. Secretary Bryan of the Board of Commissioners says: "I consider it a perfectly reliable, trustworthy machine."

Many of our best farmers buy two of these one-horse 4 foot cut machines and thus with one pair of horses cut 8 feet instead of 4½ or 5 feet with one two horse machine.

Price, 3½ Foot Cutter Bar,	$36.00
Price, 4 Foot Cutter Bar,	$37.00





Deering Ball-Bearing Corn Harvester.

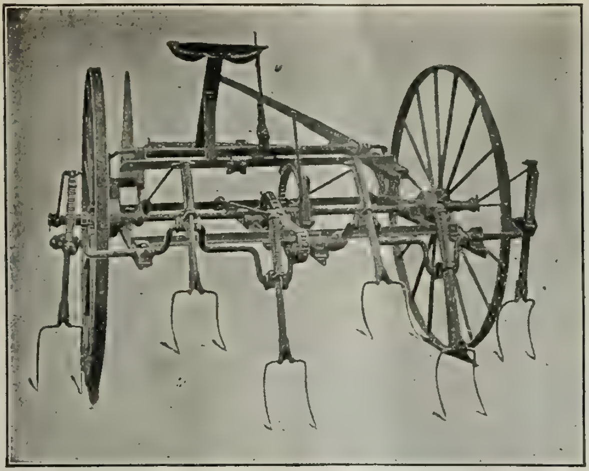
Declared by the best informed authorities to be the Only Successful Corn Harvester before the American people. Made on the right principle. The Deering plan of permitting the corn to fall backward on a low horizontal binder deck is superior in every way to the method of holding the top-heavy stalks upright. Lightest in draft, makes a better bundle, and does not break off nearly as many ears as are broken by the vertical machines.

To any farmer who has more than a medium acreage of corn and has any use at all for his fodder, a good corn harvester and binder is a necessity.

Send for handsome illustrated catalogue.

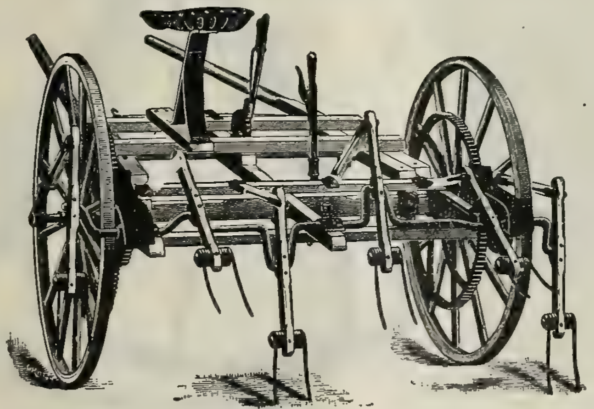
PRICE, - - $125.00

THE MONARCH STEEL HAY TEDDER with Center Chain Drive.



The Monarch Steel Hay Tedder shown above is the latest thing out for a Chain Driven Tedder. It is made of first-class steel by skilled workmen. The Wheels are extra heavy channel tire with staggered steel spokes. The Frame is made of continuous steel angle bars in one solid piece, no spliced corners, no bolts, or rivets to get loose. It has great strength at all points. The Crank Shaft is made of the very best tool steel with turned bearings, and broad journal boxes. The Fork Arms are made of boiler tube, and relief coil crucible steel spring is provided for each tooth. It has a double seat support and separate levers for throwing in and out of gear and for raising and lowering the teeth, both within easy reach of the driver. Has six forks, combined pole and shafts to be used with one or two horses. Price, **$32.00.** Discount for cash, $2.00.

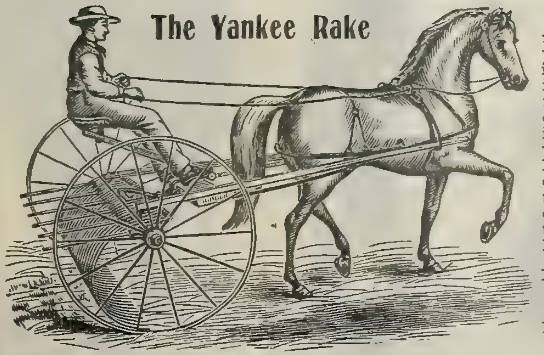
THE BAY STATE WOOD FRAME HAY TEDDER.



The Bay State Wood Tedder, shown above is, in construction, similar to the Bay State Steel Frame, only wood is used in place of steel. On stony ground, we would recommend this tedder as we believe the wood wheel will wear longer than the steel. The Forks of this tedder are made of crucible steel and the Fork Arms are made of the best hard wood. It has two levers the same as the steel frame. Also has combined pole and shafts, so it can be used for one or two horses. It is the best wood hay tedder there is on the market, and we do not see how we could improve on it, if we charged double the price. We can furnish this tedder with six and eight forks.

Price, 6 Fork, **$28.00.** 8 Fork, **$30.00.** Discount for cash, $2.00.

The Yankee Rake

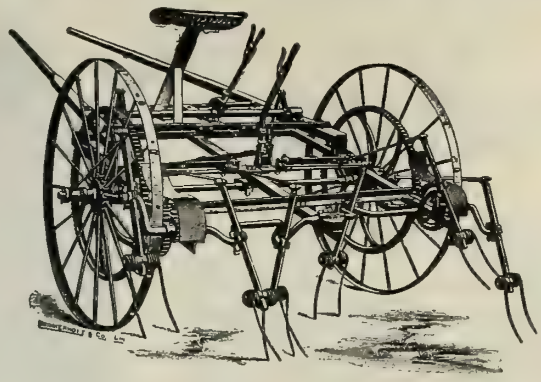


This is the old reliable Yankee, which needs no introduction. It is a very easy rake to operate, each tooth being independent; it will pass over large stones without breaking the teeth. It is so easy to operate that a child can handle it.

List price, **$22.00.**

Discount for cash, $2.00.

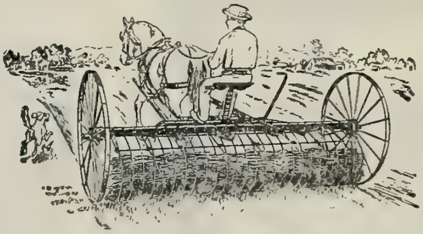
The Bay State Steel Frame Hay Tedder.



This is the neatest, finest and most substantially mounted steel frame hay tedder on the market. It is mounted upon a substantial steel wheel with a solid steel axle extending from wheel to wheel. It is made of angle steel in one solid piece, no spliced corners, no bolts, or rivets to get loose. The center is built on T steel which gives it great strength in every direction. The Crank Shaft is made of the very best steel with combined bands, also has broad boxes. The Forks and Fork Arms are made of crucible spring steel, it is also provided with a very comfortable spring seat; levers for raising and lowering, throwing in and out of gear and are in easy reach of the driver. It has a combined pole and shafts so that it can be used with either one or two horses and the change can be made very quickly. It has six forks.

Price, **$30.00.** Discount for cash, $2.00.

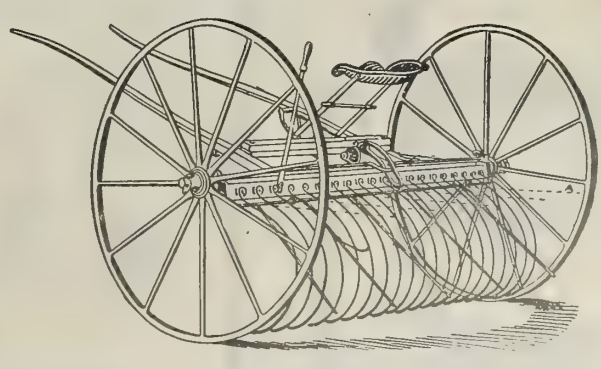
DEERING IDEAL HAY RAKE. STEEL FRAME.



This rake is made to supply the demand for an all steel rake. We believe this is the best of the entire lot. It is a horse dump rake. Strength and simplicity are two features in its construction, and we recommend it to anyone in want of a steel rake.

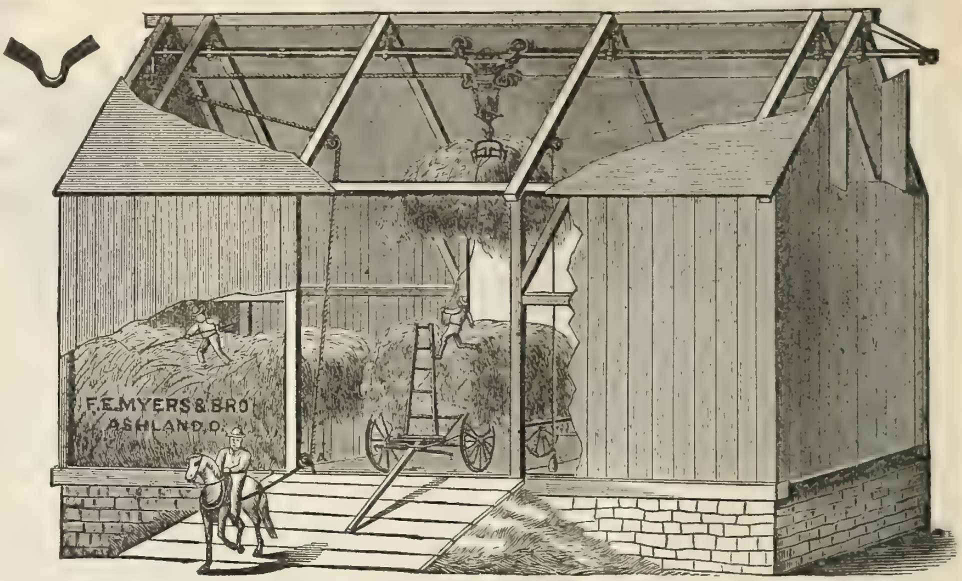
Price, $22.00. Discount for cash, $1.00.

NEW YORK CHAMPION RAKE.



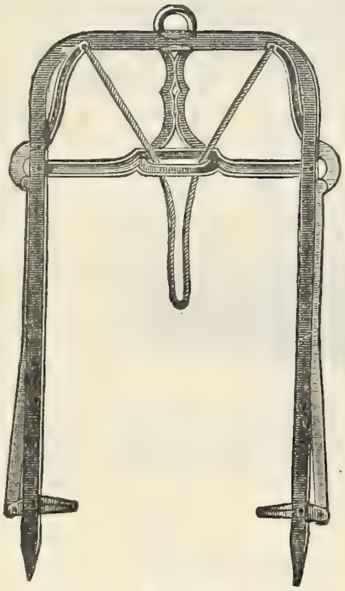
It is impossible to find all the good points in any one tool, but this rake will properly rake green hay and aftermath better than any other rake. It has the sled runner tooth, is a self-dumping rake, and is easily operated by any one capable of driving a horse. There are several imitations on the market. Be sure and get the GENUINE. List price, **$20.00.** Discount for cash, $1.00.

Myers Reversible Steel Track Hay Carriers.



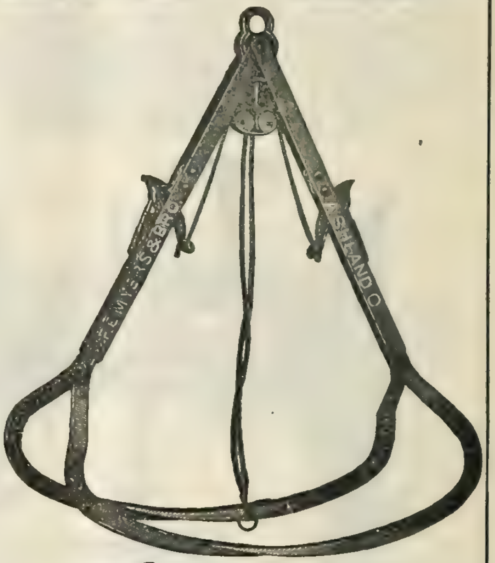
No Barn Is Complete Without One of These Rigs.

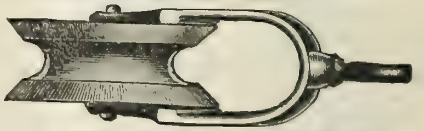
The Myers Carriers for rod, wood, or steel track are the most durable and easiest rigs to operate of any on the market. Any one with a hammer and wrench can rig his barn as well as an expert carpenter. We furnish everything necessary for rigging any style of barn. If you will send us the length and height of your barn and style of ridge pole, will name you price for complete job.

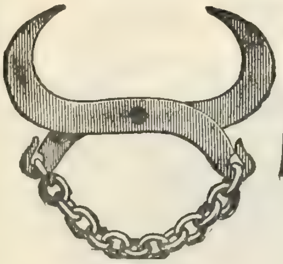


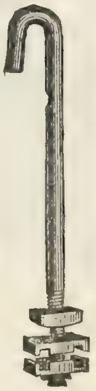
PRICES.

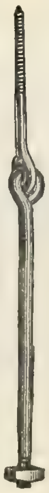
Reversible Carrier, each,	$5.00
One Way Carrier, each,	4.50
Wood Track Carrier, each,	4.50
Steel Track, per foot,	.13
Steel Hanger Hooks, per dozen,	1.00
Malleable Iron Rafter Brackets, per doz.,	.50
Jointed Hanger Hooks, per dozen	1.25
Four Tine Grapple Forks, each,	4.00
Six Tine Grapple Forks, each,	5.00
Double Harpoon Forks, each,	1.00
Knot Passing Pulleys, each,	.25
Common Pulleys, each,	.20
Rope Hitch, each,	.25
Floor Hooks, each,	.10
Steel Grapple, each,	.50

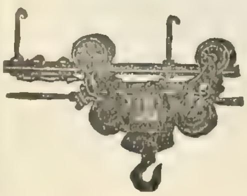


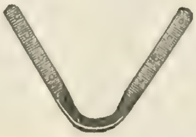


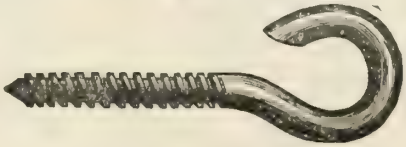


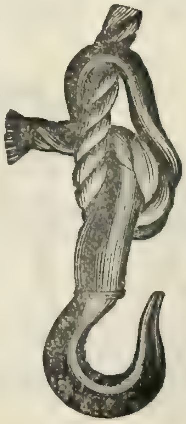


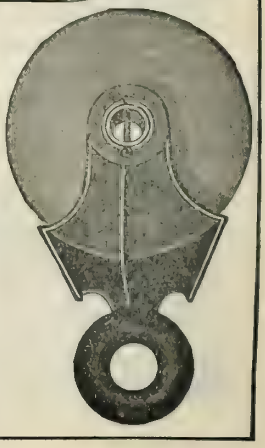








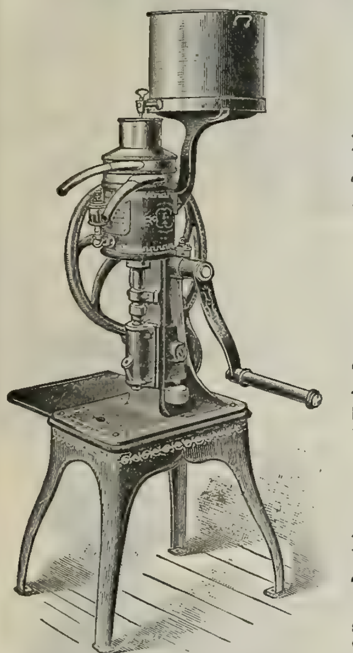




The De Laval "Baby" Cream Separator and other Dairy Goods.

Used by all the Leading Agricultural Colleges and Experiment Stations.

The purpose of the Cream Separator is the expeditious and complete separation of cream from milk in the most practical manner possible. This Separator consists of a cylinder-shaped steel bowl or vessel, encased within and mounted upon a frame provided with a suitable gearing to acquire a high speed with a minimum expenditure of operating power. The whole-milk is fed into this bowl, the separation effected within it, and the cream and skim-milk are separately discharged from it, the discharge following within half a minute after the in-flow, while the machine may be used for a few minutes or as many hours—at a time—as may be necessary, according to the amount of work to be done.



Improved "Baby" No. 1.

Iron Stool Style.

De Laval Cream Separator.

Capacity, 325 to 350 lbs. per hour.

"Alpha" or "Disc" Bowl Type. **Price, $100.00**

Crank Humming Bird.

New Style No. 0.

De Laval Cream Separator.

Capacity, 225 lbs per hour.

"Alpha" or "Disc" Bowl Type. **Price, $65.00**

Improved "Baby" No. 2.

High-Frame Style.

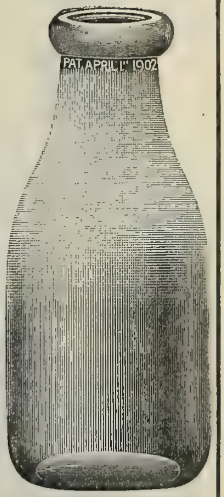
De Laval Cream Separator.

Capacity, 450 to 500 lbs. per hour.

"Alpha" or "Disc" Bowl Type. **Price, $125.00**

We can furnish either style of stool on Nos. 1 and 2. Send for large catalogue.

The R. B. or Round Bottom Milk Bottle.



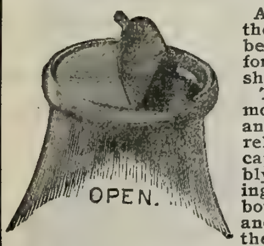
This Bottle is a great improvement over any other style of bottle made, from the fact that it has no corner for the dirt to stick in. The bottom inside being made round, it cleans very easily. We have them made expressly for us, and every bottle is extra quality glass, and stamped on the side "This bottle to be washed and returned."

Every bottle has "R. B." on the side, which is a guarantee that it is the best bottle made.

PRICES :

Two Quart, per doz.	$1.50 ;	per gross, $16.00
One " "	.75 ;	" 8.00
Pint, "	.60 ;	" 7.00
One-half Pint, "	50 ;	" 5.00

The Health Milk Bottle Caps.



All caps, other than the Health Cap must be removed with a fork, knife or some sharp instrument.

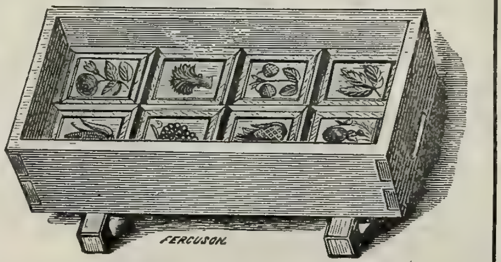
They cannot be removed with the thumb and finger. When once released the old-style cap is almost invariably thrown away, leaving the contents of the bottle exposed to odors, and in no way meeting the objectionable features of an open receptacle. It costs no more than the ordinary cap. It will fit any standard milk bottle. It makes sealing and opening of bottles easy. Bottles can be kept sealed at all times. Keeps milk free from all odors. It is the most convenient cap on the market.

No knife or fork is needed to remove the Health Cap.

Price per 1000, 40 cents ; 5000, 35 cents ; 25,000, 33 cents.

Common Round Caps, 1000, 30 cents ; 5000, 25 cents.

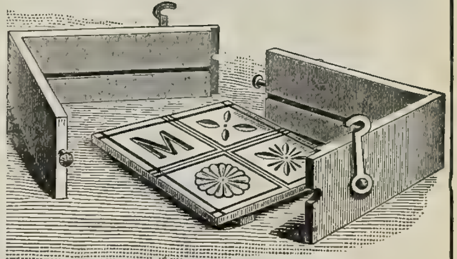
Combination Butter Print.



The cut shown represents No. 6 Print.

No of Pr't.	No. of Cakes at each impression.	Capacity of Moulds in Pounds.	Capacity of each Cake in Ounces.	Dimensions of Mould in inches	Dimensions of each Cake.	Price.
1	3	1½	8	10 x3½	3½x3½	$3.50
2	4	2	8	11 x3¾	3¾x2¾	3.75
3	4	2	8	12 x3	3 x3	3.75
4	4	1	4	4½x5	2¼x2½	3.50
5	4	1	4	10x2½	2½x2½	3.75
6	8	2	4	10x4½	2¼x2½	4.50
7	6	1½	4	10x3½	3½x1¾	4 25

Blanchard Butter Mould.



Same size as No. 4 Combination.

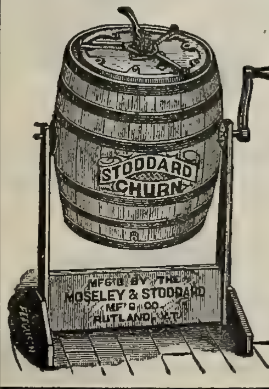
Initial engraved 25 cents extra.

PRICES :

One-half lb.	$ .80
One lb.	1.00
Two lbs.	1.25

THE STODDARD CHURN.

The Stoddard Churn is made by hand in the most thorough manner and of kiln-dried white oak. It will last for years. The principle is concussion, not friction—has no float nor paddle inside. It is easily operated, easily cleaned.

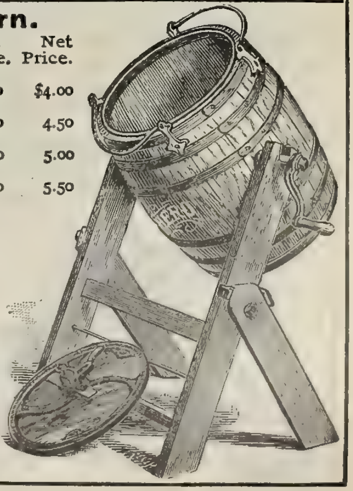

STODDARD CHURN
MF'G BY THE MOSELEY & STODDARD MF'G CO. RUTLAND, VT.

PRICES—DAIRY SIZE.

	List Price.	Disc't for Cash.
No. 1 holds ten gallons ; churns 4 gallons,	$ 8.00	$1.00
No. 2 holds fifteen gallons ; churns 7 gallons,	9.00	1.00
No. 3 holds twenty gallons ; churns 9 gallons,	10.00	1.25
No. 4 holds twenty-five gallons ; churns 12 gallons,	12.00	1.50
No. 5 holds thirty-five gallons ; churns 16 gallons,	14.00	1.75
No. 5½ holds forty-five gallons ; churns 20 gallons,	17.00	2.00
No. 6 holds sixty gallons ; churns 28 gallons,	20.00	2.50

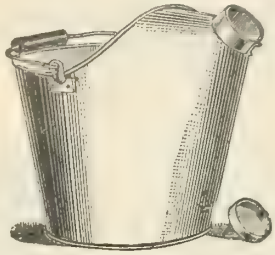
The Hero Barrel Churn.

	List Price.	Net Price.
No. 0 holds 6 gallons ; churns 3 gallons , weight, 33 lbs.,	$ 8.00	$4.00
No. 1 holds 10 gallons ; churns 4½ gallons ; weight, 36 lbs.,	8.50	4.50
No. 2 holds 15 gallons ; churns 7 gallons ; weight, 40 lbs.,	9.00	5.00
No. 3 holds 20 gallons ; churns 9 gallons ; weight, 52 lbs.,	10.00	5.50
No. 4 holds 25 gallons ; churns 12 gals ; weight, 72 lbs.,	12.00	6.00
No. 5 holds 35 gals.; churns 16 gals.; weight, 90 lbs.,	16.00	8.00
No. 6 holds 45 gals.; churns 22 gals.; weight 102 lbs.;	23.00	11.50
No. 7 holds 28 gals.; churns 12 gals.; weight, 115 lbs.,	26.00	13.00



This Churn is made of the best oak timber, has patent adjusting fastener for cover, does same work as other churns of this style, but sold at a much lower price.

Common Sense Milk Pail.

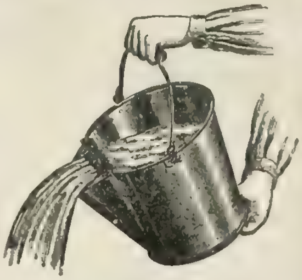


This pail is made of extra heavy tin. The strainer can be removed to clean or repair, and it is the best pail for all purposes made.

Price, **$1.25.**

The Gem Combination Milk Bucket.

With Removable Strainer.

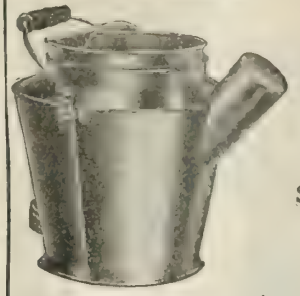


It has no equal in its simplicity. Made of the best IX Tin, with Steel Strainer Frame. The Gem Combination Milk Bucket can be used for milk with strainer, or the strainer can be removed by a single turn of the latch and the bucket used for any other purpose. The Strainer is constructed of Steel, with Fine Brass Wire Cloth, and can be readily converted into a cloth or muslin strainer by simply covering the frame with the cloth and inserting the frame in place.

PRICES.

10 Quarts, each, 60c. 12 Quarts, each, 70c.
14 Quarts, each, 80c.

The GURLER Milk Pail.



Strictly

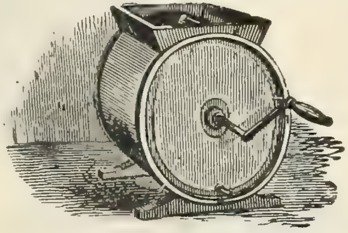
Sanitary

Simple-Practical

The accompanying cut gives you a good idea of the Gurler Sanitary Milk Pail.

The milk passes into the pail through a strainer of sterilized gauze and absorbent cotton, thus preventing dirt or any particle from dropping into the milk. It purifies the milk and betters its keeping qualities, which contributes to the success of anybody interested in the handling of milk. We recommend this pail to all progressive dairymen. Made in one size (12 qt.) Price, **$2.00.** Gauze and Cotton extra, 50 cents.

Varnished Cylinder Churns.

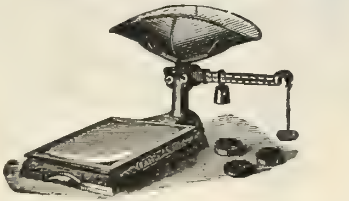


Designed for those having a small dairy.

No. 1.	List price, $2.50	Discount for cash, $ .50
No. 2.	List price, 3.00	Discount for cash, .50
No. 3.	List price, 3.50	Discount for cash, .50
No. 4.	List price, 4.00	Discount for cash, 1.00

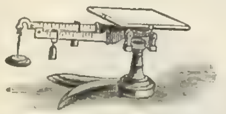
Cedar, same as above, 25 cents extra. They are well worth the difference.

Farmers' Scales.



We offer for the use of farmers and dairymen and housekeepers, a convenient and low-priced scale, warranted accurate, weighing from ½ oz. to 240 pounds. **Single Beam, $4.00; Double Beam, $4.50.**

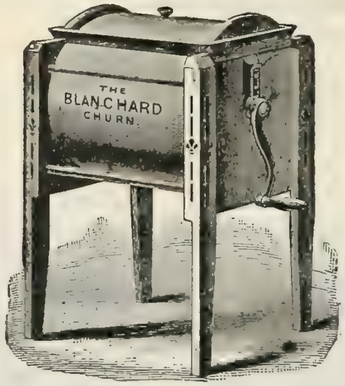
Fairbanks' Dairy Scales.



Indispensable for the dairy; has porcelain top; weighs from ¼ oz. to 25 pounds.

Net Price, $9.00.

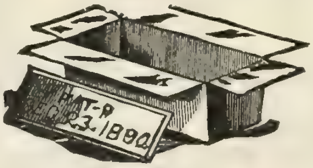
The Blanchard Churn.



Has retained its reputation for over twenty years as being the best revolving dash churn made for ease of operation and superior butter-making qualities. Factory sizes quoted on application.

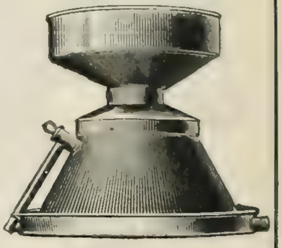
No. 3.	Churns 2 gal.	$6.00
No. 4.	Churns 4 gal.	7.00
No. 5.	Churns 8 gal.	8.00
No. 6.	Churns 12 gal.	$10.00
No. 7.	Churns 16 gal.	12.00

Butter Boxes.



The Dumas square box holds five pounds; the only box that butter can be turned out of and left in good shape. Price, per dozen, all papered, 75 cts. We also have the five and ten pound boxes at 60 cts. per dozen for five pound, and 75 cts. for the ten pound.

The Ideal Milk Cooler.

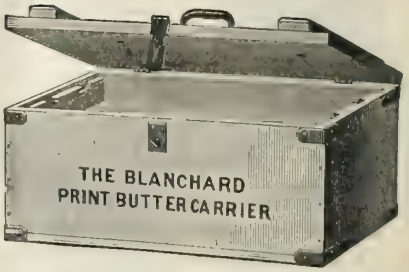


The Ideal Milk Cooler and Aerator does what no other cooler does, namely, thoroughly cools the milk and at the same time aerates it perfectly, so that it is ready to ship or peddle at once. No time is lost in stirring morning's milk and getting it ready for customers, as it is cooled as fast as milked.

No. 2.	Suitable for 10 to 15 cows.	List price, $6.00
No. 3.	" " 25 to 40 cows.	" " 7.00

Discount for cash, $1.00.

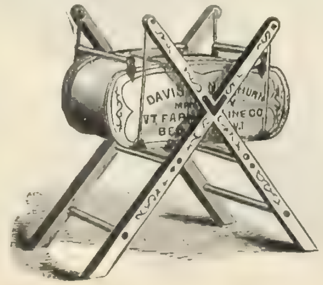
The Blanchard Print Butter Carrier.



This Carrier is designed for use of dairymen who deliver their butter direct to the consumer. They are also used in shipping butter by express. Trays are made to fit butter moulded in the Blanchard or Combination No. 6 Moulds. They are well made and very strongly iron bound. PRICES.—16 lb., each, $1.50; 24 lb., each, $1.65; 32 lb., each, $1.85; 40 lb., each, $2.00. Fitted with Ice Box, 75 cents extra.

THE DAVIS SWING CHURN.

The principle governing the process of butter-making in the Davis Swing Churn is that the particles of cream come in contact with each other only, and are not unduly beaten by floats.



Price List—Complete, with Folding Frame, as shown.

This is the regular frame, and is always sent unless specially ordered otherwise.

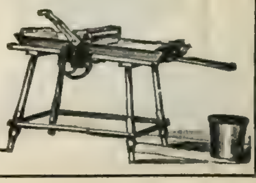
Extra for Tilting Frame, $1.00.

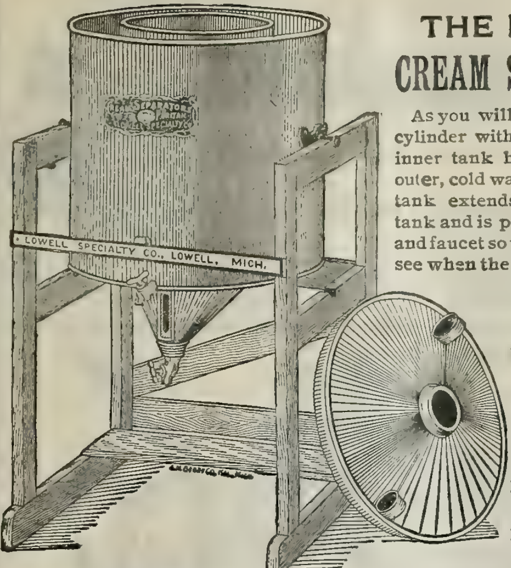
Size.	Will Churn.	Wgt. lbs.	Price.
No. 1.	4 gal. or less.	55	$ 7.00
No. 2.	5 "	59	8.00
No. 3.	8 "	73	10.00
No. 4.	10 "	85	12.00
No. 5.	13 "	98	15.00
No. 6.	17 "	112	18.00
No. 7.	30 "	258	25.00
No. 8.	40 "	275	30.00
No. 9.	50 "	345	35.00

Waters Butter Worker.

The purpose of working butter is to free it from buttermilk and distribute the salt evenly through it. The Waters differs from most butter workers principally in the point that the tray, with the butter, moves under a stationary roller instead of the roller travelling over the butter in the tray.

	Capacity.	List Price.	Dis. for Cash.
No. 0.	1 lb. to 15 lbs.	$ 7.00	$1.00
No. 1.	5 lbs. to 30 lbs.	8.00	1.00
No. 2.	5 lbs. to 40 lbs.	9.00	1.25
No. 3.	5 lbs. to 50 lbs.	10.00	1.50
No. 4.	10 lbs. to 80 lbs.	14.00	1.75



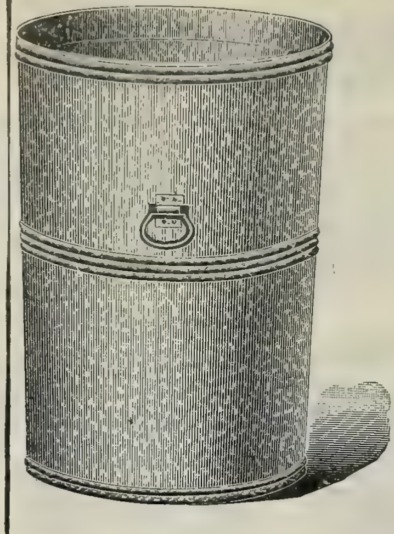

LOWELL SPECIALTY CO. LOWELL, MICH.

THE PURITAN CREAM SEPARATOR.

As you will see by cut, this is a cylinder within a cylinder. The inner tank holds the milk; the outer, cold water or ice. The inner tank extends below the water tank and is provided with a glass and faucet so that the operator can see when the separation is made. This is a very convenient arrangement for small dairies.

Made in three sizes, as follows:

No. 1.	6 Gals. Milk,	$7.00
No. 2.	10 Gals. Milk,	$10.00
No. 3.	15 Gals. Milk,	$12.00



Galvanized Ash Cans

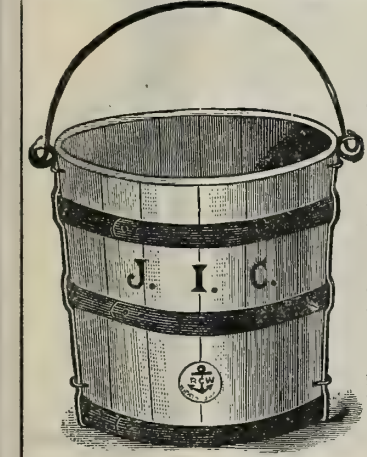
◉ ◉ ◉

Made of heavy Galvanized Steel, and will stand any amount of use as well as abuse.

◉ ◉ ◉

TWO SIZES

No. 17, 17x26.	Price	$2.00
No. 18, 18x26.	"	2.50
Cover for same.	"	.25



J. I. C. *Stable Pail.*

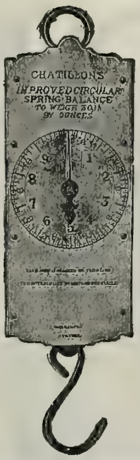
The best stable pail on the market. Made of best oak, with strap running down the side and heavy iron bail.

Price, 50c.

Electric Hoop Barn Pails.
CEDAR. Painted.
Each, 35c.

Electric Hoop Barn Pails.
PINE. Painted.
Each, 30c.

Electric Hoop House Pails.
CEDAR, natural color.
Each, 30c.



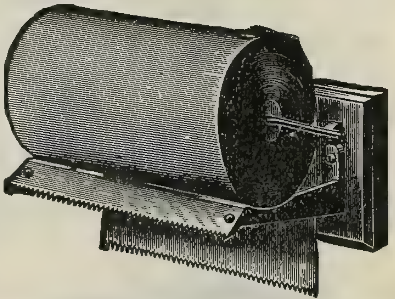
Dairy Scale.

This scale is made especially for dairy use, and has an adjustment on the top so that the weight of the pail can be taken out, giving the exact weight of the milk.

Graduated from 30 lbs. to 1 oz.

Price, $3.00

Parchment Paper.



For Wrapping Butter, Cheese, Salt Meats, Fish, Etc.

Either in Rolls or Sheets. Parchment paper put up in rolls is very convenient for store keepers. We can furnish 9 and 12 inch rolls; weight about 2 lbs. We can furnish sheets in three sizes, as follows: 8 x 11, 9 x 12, 12 x 12.

Price per lb., 20c.; 25 lb. lots, 17c. per lb.

We can also furnish any other sizes to order.

ASBESTINE,

The Original Fireproof and Weatherproof

COLD WATER PAINT.

♣ ♣ ♣

Costs very much less than Oil Paint.

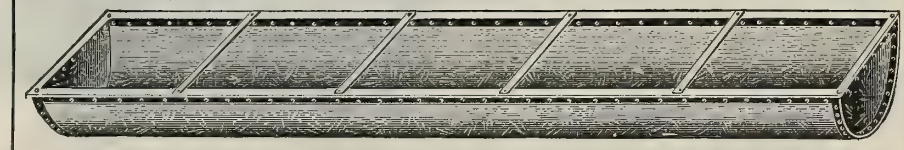
Asbestine is especially adapted for use in stables, on Fences, Area Walls, Air Shafts, Freight Sheds, or any surface requiring an economical and durable coating that will largely resist the action of the weather and retard the progress of fire.

Inside Asbestine is for use on all inside surfaces. It gives a whiter and handsomer finish than oil paint, and contains no oil, so will not turn yellow or change color with age. Send for circular and color card.

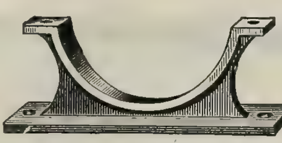
RETAIL PRICE LIST.

Color Number.	Barrel, 400 lbs. ½ Barrel, 200 lbs. ¼ " 100 lbs. ⅛ " 50 lbs.	Cases containing 20 5 lb. pkgs.
2,3,4,5,6 9,10,11,13	Per lb. 9½ cts.	Per lb. 10½ cts.
1, 7, 14, 16	" 10 cts.	" 11 cts.
8, 12	" 10½ cts.	" 11½ cts.
15, 413	" 11 cts.	" 12 cts.
193	" 13½ cts.	" 14¼ cts.
WHITE	" 8 cts.	" 9 cts
INTERIOR. White.	Per lb. 6½ cts.	Per lb. 7½ cts.

GOSHEN ROUND BOTTOM TROUGHS FOR SHEEP AND HOGS



No.	Width.	Depth.	Length.	Capacity.	Price
901	14 in	7 in	5 ft	½ bbls	$ 3 80
902	14 in	7 in	8 ft	¾ bbls	4 75
903	14 in	7 in	10 ft	1 bbls	5 50
904	20 in	10 in	8 ft	1 ⅔ bbls	6 25
905	20 in	10 in	10 ft	2 ⅛ bbls	7 25
906	23 in	11½ in	8 ft	2 ⅓ bbls	7 00
907	23 in	11½ in	10 ft	3 bbls	8 00



LOW SUPPORTS FOR SHEEP AND HOG TROUGHS

Width.	Weight.	Price.
14 in	6 lbs	$ 35
20 in	14 lbs	80
23 in	18 lbs	1 00

HIGH SUPPORTS FOR STOCK WATERING TROUGHS

Width.	Weight.	Price.
14 in	12 lbs	$ 70
20 in	20 lbs	1 10
23 in	23 lbs	1 30

Each support has holes in base to fasten to floor or anchor to ground. Holes in arms arranged to fasten to troughs by bolts through angle iron.

For Whitewash. For a Disinfectant. For a Fertilizer. For Patching Plastering. For Washing Compound. For Window Glass Putty. Bordeaux Mixture for Fruit Trees. For Marking Lawn Tennis Courts. . . . .

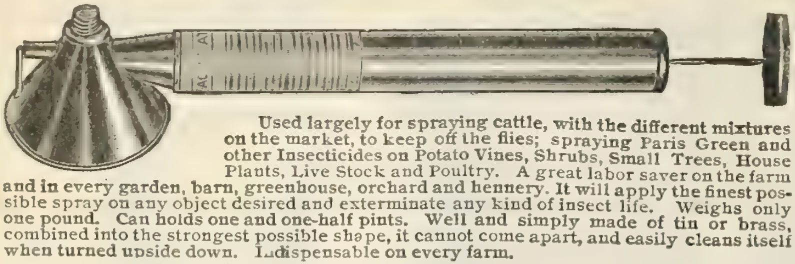
LIMITE

WILL KEEP INDEFINITELY,

Being at all times ready for immediate use.

Put up in 1 lb. Boxes for 10 cts. and 2 1-2 lb. paper for 20 cts

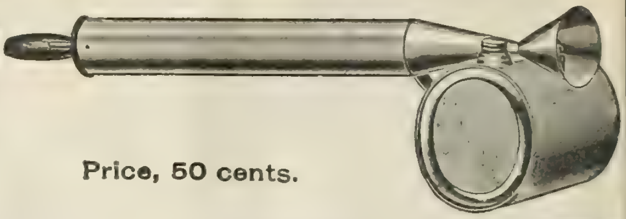
THE ACME ATOMIZER.



Used largely for spraying cattle, with the different mixtures on the market, to keep off the flies; spraying Paris Green and other Insecticides on Potato Vines, Shrubs, Small Trees, House Plants, Live Stock and Poultry. A great labor saver on the farm and in every garden, barn, greenhouse, orchard and hennery. It will apply the finest possible spray on any object desired and exterminate any kind of insect life. Weighs only one pound. Can holds one and one-half pints. Well and simply made of tin or brass, combined into the strongest possible shape, it cannot come apart, and easily cleans itself when turned upside down. Indispensable on every farm.

Price. Tin, 50c.; Tin, with Brass Cup, 75c.

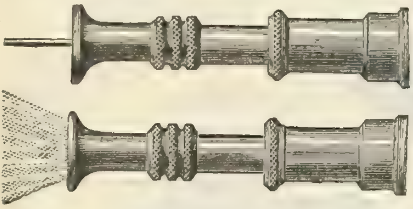
THE CYCLONE ATOMIZER.



Price, 50 cents.

Used for same purpose as the Acme, only has a larger capacity and has a funnel end to guide the spray. In these respects it is better than the Acme; in other parts just the same. Made in tin only.

The "Boston" Spray Nozzle.

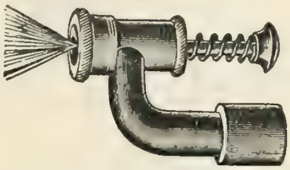


Will throw a coarse or a fine spray, a large or a small solid stream. The spray can be closely contracted or made to cover a large area. These results are obtained by revolving it part way round.

Price, - 35 cents.

IMPROVED VERMOREL NOZZLE

WITH DEGORGER.



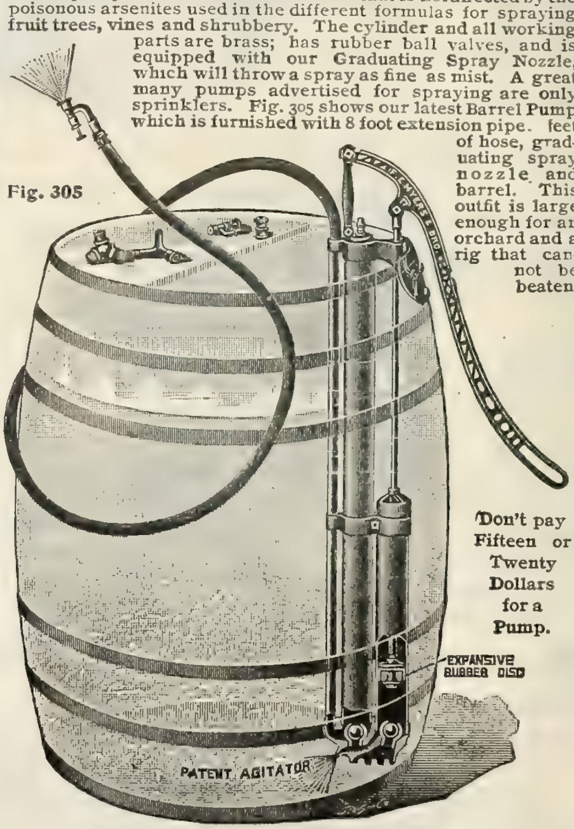
Arranged with stuffing box, so that the liquid will not wet the operator while being used; fitted for 1-2 inch male end or 1-4 inch pipe. Each nozzle is furnished with two caps, with different sized openings, for coarse or fine spray. **Price, 85 Cents.**

MYERS' BRASS SPRAY PUMP.

This Pump has More Real Advantages than are contained in any other pump on the market.

This pump is constructed of material that is not affected by the poisonous arsenites used in the different formulas for spraying fruit trees, vines and shrubbery. The cylinder and all working parts are brass; has rubber ball valves, and is equipped with our Graduating Spray Nozzle, which will throw a spray as fine as mist. A great many pumps advertised for spraying are only sprinklers. Fig. 305 shows our latest Barrel Pump which is furnished with 8 foot extension pipe. feet of hose, graduating spray nozzle and barrel. This outfit is large enough for an orchard and a rig that cannot be beaten.

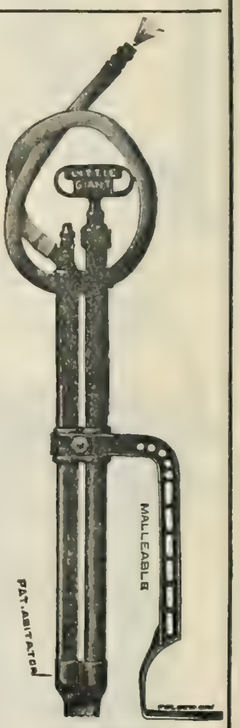
Fig. 305



Don't pay Fifteen or Twenty Dollars for a Pump.

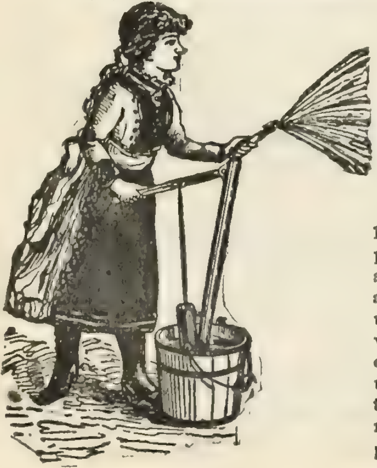
PRICE, - - - $10.00

Brass Bucket Spray Pump.



No. 327 1-2

This pump is constructed entirely of brass, a metal that is not affected by the poisonous preparations used in spraying. The labor of pumping is all done on the downward stroke of the pump. Has large air chamber, and ball valves. The pressure is held uniformly in the air chamber and on the hose, so that the nozzle throws a continuous spray and is not offected by the movement of the plunger. Will throw a solid stream 50 feet. This is the best hand pump we have, and is very handy for washing windows and sprinkling lawns where there is no water pressure. Has foot rest as shown, best hose and spray nozzle. **Price, $4.00**



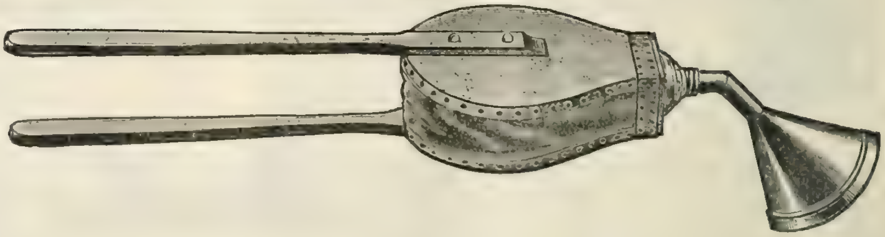
DAISY TIN FORCE PUMP.

❧

This is a good low-priced force pump; used for sprinkling vines and shrubs, also used for whitewashing and other similar uses. Made of tin and has two nozzles.

Net Price, $1.00

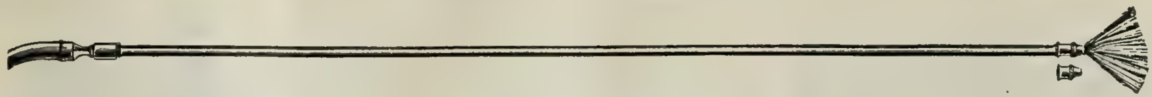
ACME POWDER GUN.



A simple, practical implement for the extermination of potato bugs and all kinds of insects, flies, etc., the pests of every house and garden. It will handle all insecticides in their dry state—Pure Paris Green, Hellebore, Persian Insect Powder, etc. It is very effective in the destruction of Potato Bugs, Currant Worms, and all like pests. Is well made, with a hardwood head block, hardwood handles, best leather for the bellows, (an extra elbow is furnished to tilt the funnel for getting under the leaves of plants and shrubs) and is well finished throughout. Every farmer should have one. **Net Price, $1.00**

The O. K. Spray Pump

FOR HOT AND COLD MIXTURES, WITH EXTENSION PIPE, SINGLE, DOUBLE OR TRIPLE NOZZLES.



THIS style of Pump is designed for ordinary orchard use, and as will be seen by cut, can be readily attached to any size of barrel in a minute's time; for that reason we sell it either with or without the barrel. The cylinder is what is known as a ram plunger, made of solid brass tube, with closed end, which passes through a circular hemp packing, which adapts it for pumping either hot or cold mixtures. It has a brass valve seat. By removing two bolts, the valve can be readily taken out and repaired. The air chamber is a 2½ inch steel tube; wrought steel handle with adjustable stroke. The pump is fitted with leads for hose, but no hose furnished at price printed. We will furnish any length of hose desired at 10 cts. per foot.

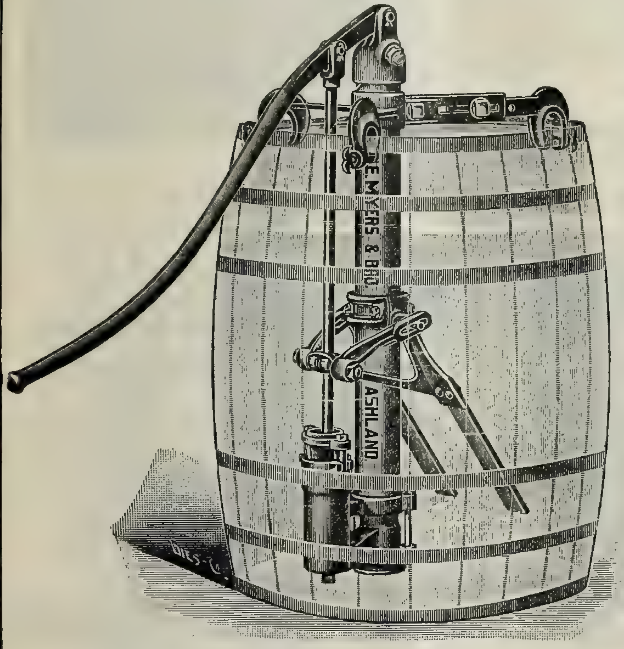
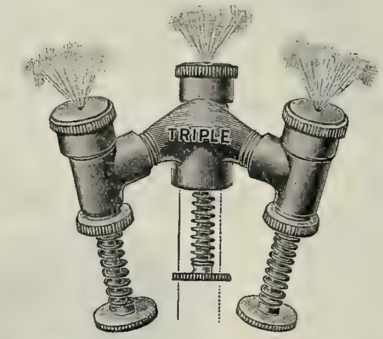
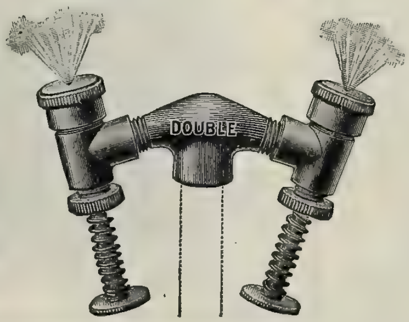


Fig. 1119.
P rice with bbl. $14.00.



Triple Vermorel Nozzle. Price, $1.50.



Double Vermorel Nozzle. Price, $1.25.

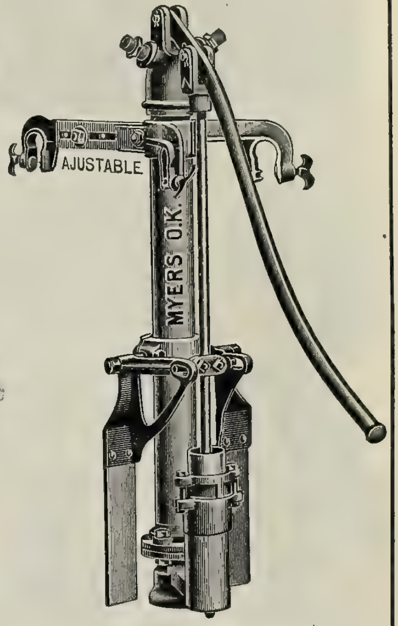
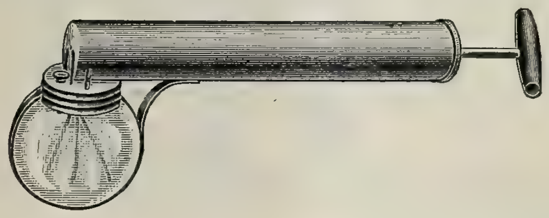


Fig. 1125.
Price without bbl. $12.00.

The Tennent Glass Pot Atomizer, with Mixer.

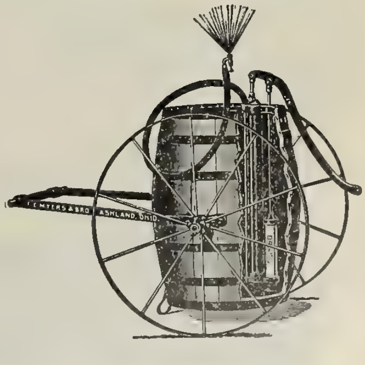


The Barrel of this Atomizer is made of the best tin obtainable; ordinary length; plunger, washers, etc., all of good Material.

The receptacle is a new special design of extra heavy glass, well protected with a spring steel lantern wire guard. Holds about a quart of liquid; easily filled and washed out; contents always in sight. Pint or quart Mason fruit jar may be screwed in the cap if desired. Two tubes are so arranged that no matter how the Sprayer is held, one tube at least is always in the liquid. This is the only hand sprayer that will spray overhead, ceilings, shrubbery, etc. One Blow-hole, resulting in producing the finest conceivable spray, necessary for disinfecting. The third tube on the side of barrel goes to bottom of receptacle; this conducts a portion of the air directly into the bowl and with every stroke of the handle thoroughly agitates the contents. No other sprayer does this. **Price 75 cts.**

No. 838 Spray Pump

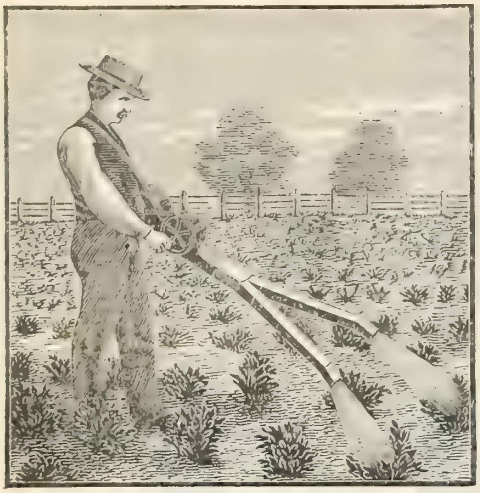
MOUNTED
ON STEEL
TRUCK.


E. MYERS & BRO. ASHLAND, OHIO

This shows how the No. 305 or 1119 pump may be mounted on wheels for small orchards, where it is impossible to drive with a team.

We sell either pump or truck separate.

Price of truck and pump, with hose and spray nozzle **$14.00.** Truck separate, $5.00.

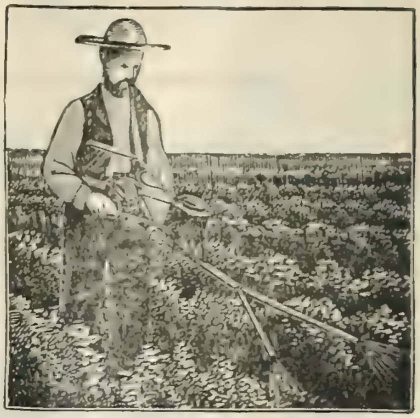


HOTCHKISS DRY POWDER GUN.

For applying clear Paris Green and other dry insecticides for destroying potato bugs and all other injurious insects. It does away with the slow, laborious process of applying mixtures in water or plaster. The process is a quick and effective way, and every farmer should obtain one of these light and easy running machines.

Price, $5.00

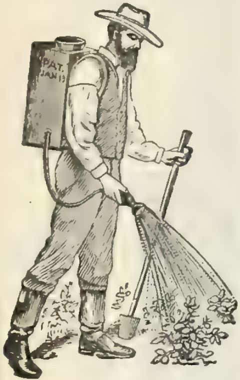
Champion Paris Green or Dry Powder Gun



For distributing dry insecticides and fungicides such as Paris Green, London Purple, Hellebore, Sulphur, Lime, "Fungiroid," Tobacco Dust, etc. Destroys potato bugs and all other insects, and prevents blight. The standard machine for applying insecticides dry. Sure, Rapid, Safe, Strong and Cheap.

Retail Price, $7.00

THE LENOX SPRAYER.

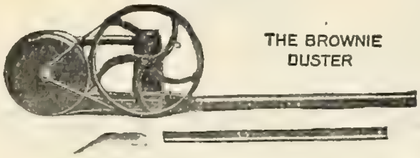


A cheap sprinkler for applying poisonous fluids such as Paris Green water, etc., to grape vines, low trees, bushes, potatoes, garden vegetables, etc. Can be carried either on the back or by hand, as desired. It is made of galvanized iron, holds five gallons of fluid, which flows through the rubber tube and is forced out in a spray by pressing the rubber bulb held in the hand; this spray will reach 10 to 12 feet. The Lenox Sprayer is not adapted for throwing fungiroid, such as Bordeaux mixture, the spray is not fine enough.

Price, $3.25

The Brownie Duster.

FOR GARDEN, VINEYARD AND SMALL TREES.



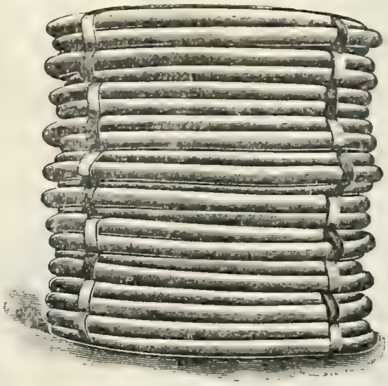
Particularly Useful for In-Door as well as Out-Door Work, Wherever a Dry Powder is Required.

The crank should be turned about 80 revolutions a minute.

Two 16-inch tubes and one bent nozzle furnished with each Duster. Machine weighs complete 3½ lbs. One packed in each case.

Price, $3.50.

RUBBER AND COTTON HOSE.

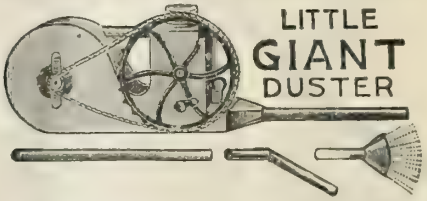


Our Hose is all made expressly for us by the most reliable manufacturer in the state and every piece is warranted, but it is economy to buy the best grade, as it will last several years.

PRICES.

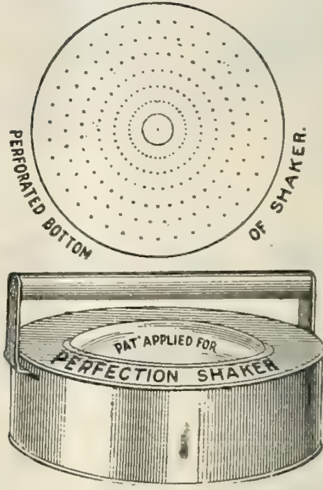
		½ in.	¾ in.
Bull Dog, - - -	7 Ply,	12	14
Tiger, - - - - - -	6 "	9	11
Leader, - - - -	5 "	8	10
Cotton, - - - -		10	12

Improved Little Giant Duster.



Distributes Paris Green, London Purple, Hellebore, Sulphur, Lime, Fungiroid (the dry Bordeaux Mixture), Spanish Pink, Pyrethrum Powder, etc. Weighs only five pounds complete. Full length with tubes, 4 feet 8 inches. **Price, $5.50**

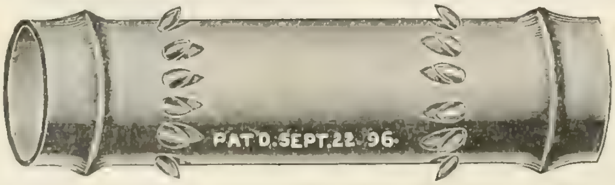
..The.. Perfection Shaker.



Especially adapted for applying Bug Death, Slug Shot, Paris Green, and other powders.

Price, 65c.

THE "COOPER" BRASS HOSE MENDER.

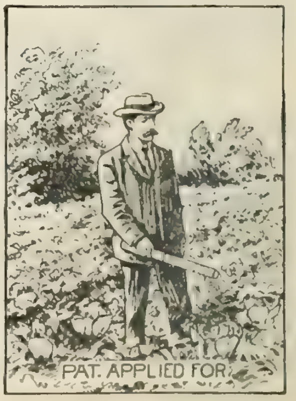

PAT'D. SEPT. 22. 96.

Made of thin brass tubing; will not rust or wear out; scarcely decreases the flow of water. Easily applied by any one; simply cut out your bad piece of hose and force the ends of the good hose over the mender until they meet in the centre. No other fastening is required; the barbs will hold it firm, and no matter what strain is put on the hose it will be as good as new at the point mended, and will not leak. **Price, each, 10 cents; per dozen, 75 cents.**

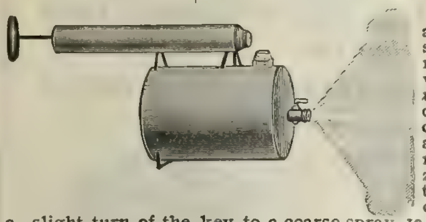
DICKEY'S Bug Death Shaker.

Dickey's Bug Death Shaker, shown in cut, is designed for applying any kind of dry powder, and is the best as well as the cheapest shaker on the market. It is provided with a scoop for filling. Order one with your Bug Death.

Price, 25 cents.


PAT. APPLIED FOR.

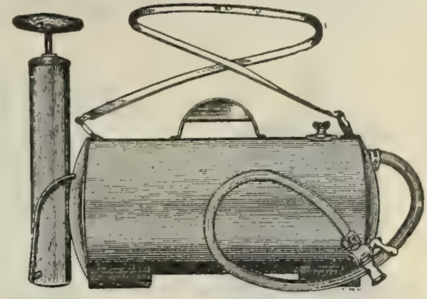
Blizzard High Pressure Sprayer.



After filling three-fourths full and pumping in about ten strokes of air, a continuous mist-like spray is thrown which will last several minutes. Potatoes, Tobacco, etc., can be sprayed as fast as you can walk, saving a large amount of time and labor. Removing the two pieces of nozzle a fine spread spray is thrown direct from the stop cock, which can be varied by a slight turn of the key to a coarse spray, 12 to 15 feet high, or a stream 15 to 20 feet high. The Blizzard is made of galvanized iron. It holds one gallon, is simple in construction, easy to work, easy to fill and handy to carry. It is light, strong and neat. A lady can use it. **Price, $2.00.**

THE SINGLE TANK

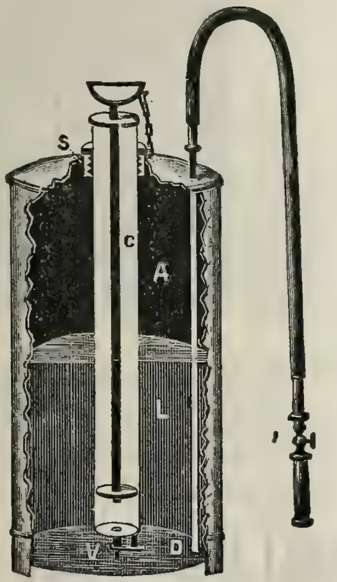
Utica High Pressure Sprayer.



Quickest and easiest working sprayer ever offered to the public. Perfect in appointments. All the latest improvements. Brass check valves and trimmings. It takes but half a minute to charge it. It holds three gallons and will carry a continuous spray for ten minutes. Especially adapted for spraying potatoes, tobacco, fruit trees, nursery stock, and whitewashing and disinfecting henhouses. Its spray being thrown with such force covers the underside of the foliage as well as the upper, killing all the insects.

Price, $5.00.

THE ROCHESTER SELF-OPERATING SPRAYER.

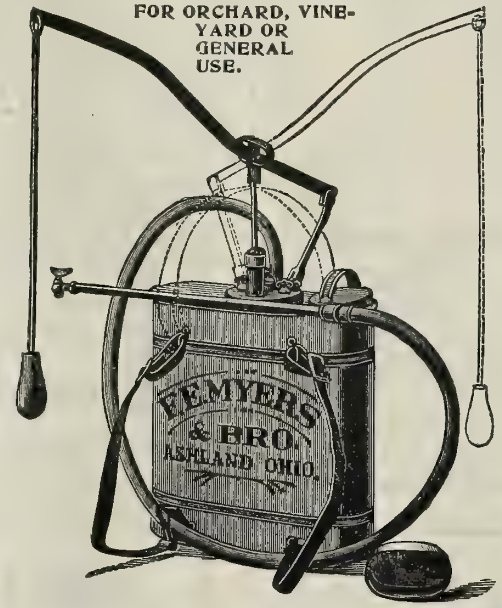


This Sprayer is filled not more than two-thirds full by unscrewing and removing the Brass Air Pump and the machine charged with compressed air. The air enters the sprayer through the valve at bottom of pump, thoroughly agitating and mixing the contents of Sprayer. The compressed air, being powerful and elastic, forces the liquid out through the outlet pipe, making either a fine spray or a solid continuous stream as desired. This size machine holds from 3 to 4 gallons, weighs 8 pounds. The body is made of Galvanized iron or brass, as desired. Air pump is made of brass. **Price, Galvanized Iron, $5.00; Brass, $6.50.**

Discount for cash, 50 cents.

Knapsack Spray Pump No. 331.

FOR ORCHARD, VINEYARD OR GENERAL USE.

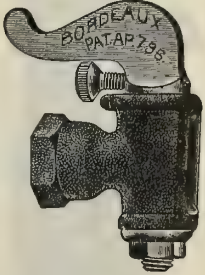


The tank of this pump holds five gallons, is fitted up with lid and strainer, which can be removed. The pump is our regular Copper Tank Spray Pump, with large chamber, ball valves, solid plunger and agitator. It is so arranged that no water can drip on the operator. The pump can be removed easily. The pump is also fitted with handle, so the operator can use it the same as a tank with bucket pump, viz.: set the knapsack on the ground and work pump with handle. Can be carried by hooking snap in strap on the opposite side provided for that purpose, making a neat handle as shown by the dotted lines. The handle lever can be shifted from right to left shoulder at will.

NET PRICE, - - $10.00.

Bordeaux Spray and Solid Stream Nozzle.

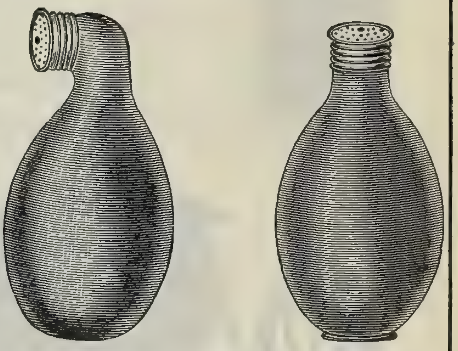
Use this Nozzle for Whitewashing.



Will throw a fine fan-shaped spray and will readily free itself, should it become clogged, by turning the cock handle. It will throw a solid stream or may be shut off altogether, as desired. It is especially recommended for use in connection with the Bordeaux mixture, and all Knapsack sprayers.

Price, 85 Cents.

RUBBER ATOMIZERS.



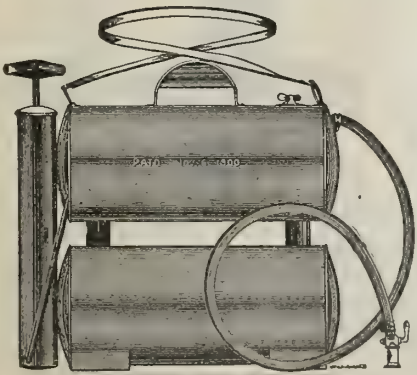
Very useful for sprinkling house plants and also for spraying with hellebore and bug death.

Small Size, 50 cents. Large, $1.00.

Either style of neck.

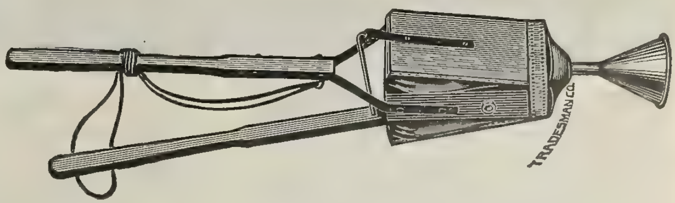
The Utica High Pressure Double Cylinder Sprayer.

FOUR GALLONS CARRIED EASILY.



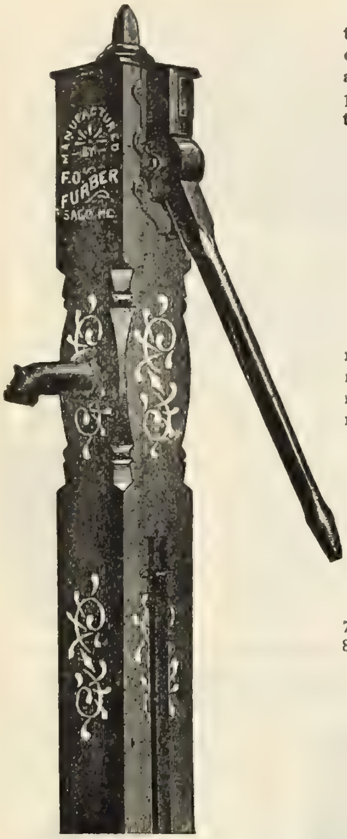
Made of heavy Galvanized iron, strongly braced and reinforced in every part. Heads swelled and double seamed. Heavy cast brass filler, cap and screw. Strong 2-inch force pump, with heavy rods, best calf leather plunger and spring brass spreaders for leathers. Brass ball check valves. The most perfect working sprayer ever invented. Adapted for all classes of spraying. This sprayer, when filled and charged, which takes half a minute, will spray continuously for 15 minutes. It is especially fine for large work in potato fields, vineyards, tobacco plantations, fruit tree spraying, whitewashing, chicken-house spraying and green-house work. **Price, $5.50.**

Newberry Double Acting Powder Gun.


TRADESMAN CO.

This powder distributor is similar to the Acme distributor shown on preceding page, but is a great improvement where a large amount of work is to be done. It has a double acting, substantial bellows which works when opening and closing, thus throwing a continuous stream. It is provided with a support to hang on the neck of the operator which makes the work very light, and with it a large amount of work may be done in a day. **Price, $1.50.**

Furber Wood Pumps.



This is the best wood out-door pump that we can buy. It has the patent closed handle bracket, so that stones or any rubbish cannot get into the box; patent let-off to prevent freezing; iron top; lined or unlined.

6 x 6 for house use.
7 x 7 for stock.

6 x 6 Inch Stock, 3 1-2 Bore, for General Use.

	Porcelain Lined.	Unlined.
7 feet long	$ 7.50	$ 6.00
8 "	8.00	6.50
10 "	9.00	7.50
12 "	10.00	8.50
14 "	11.25	9.75
16 "	12.50	11.00

Use 4 x 4 pipe for above pumps, per foot,	.20
Couplings and bands for the above, each,	.50

7 x 7 Inch Stock, 4 Inch Bore.

	Porcelain Lined.	Unlined.
7 feet long	$ 9.50	$7.75
8 "	10.00	8.50

Use 4½ x 4½ inch pipe, per foot,	.25
Couplings and bands for the above, each,	.60

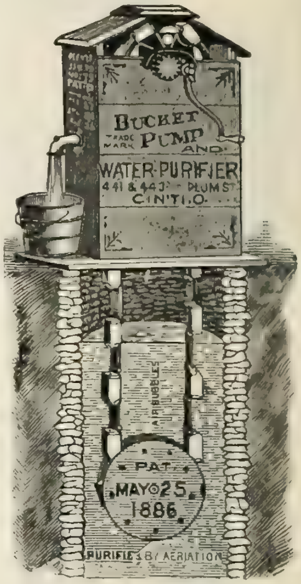
Retail price,
25 per cent. off from list.

Drink Pure Water.

If you Use this Pump you will Enjoy Good Health.

IT MAKES BAD WATER GOOD AND GOOD WATER BETTER.

We will guarantee to purify any well, no matter how bad the water is, in 5 days, or refund the money.

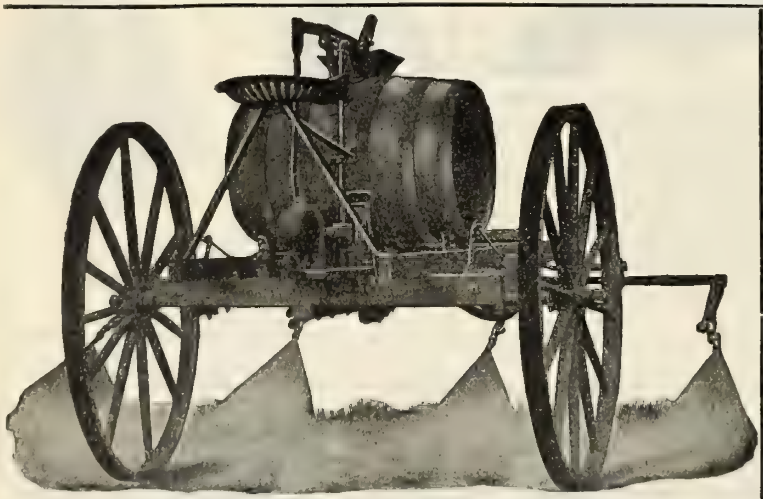


How It Purifies Water.—Every bucket descends full of air and ascends full of water. For every gallon of water drawn, a gallon of air (the vital element) is circulated through the water, from the bottom to the top. This agitates, ventilates and purifies the water and forces a large surplus of oxygen from the air into the water, which is sufficient to consume all impurities or organic matter in the foulest well or cistern. It is a fact attested by thousands using it that this purifier is the only one invented that will destroy wiggles, water bugs, water lice and germs of disease, and make foul and stagnant well or cistern water pure and sweet, removing all color, bad taste and smell. After a few days' use the old flatness and insipidity is replaced by a sparkle like that of a mountain spring. A filter purifies, but does not oxygenate; this does both.

PRICE. **$10.00** for the first 10 feet of well.
Each additional foot of well, 50 **cents.**

Discount for wells less than 20 feet, 10 per cent.; 20 feet and over, 20 per cent. discount. Cash with order, 5 per cent. extra.

Wells over 40 feet deep require extra heavy fixtures, for which there is an extra charge of $1.00.



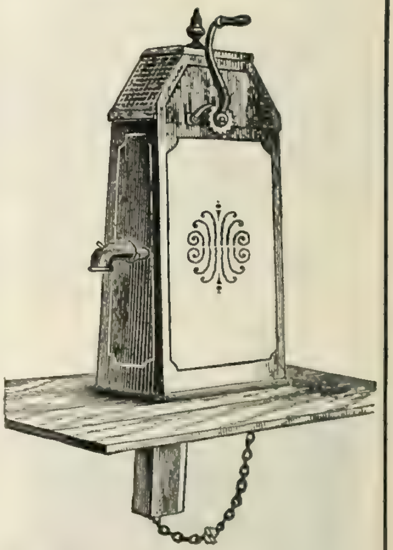
The Aspinwall 4-Row Sprayer.

This sprayer is designed for the large potato growers, where the hand machines are too expensive to use. Sprinkling by hand is a thing of the past, and applying insecticides dry is also expensive; but the Aspinwall 4-Row Sprayer does the work in a cheap and satisfactory manner, and to anyone planting three or more acres of potatoes we recommend this machine. Conditions now exist that call for the best and most improved devises, and we believe this sprayer meets these requirements. Car loads of these sprayers were sold last year, while it was difficult to sell a single machine the year previous. Don't wait until the last day before you order, but send early and have the machine on hand ready when it is needed.

List Price, $80.00. Discount for cash, $2.00.

RUBBER BUCKET CHAIN PUMPS.

They are one of the best cheap pumps.



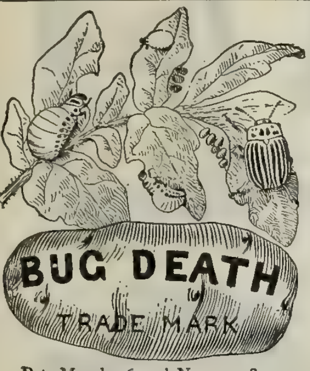
This is the old reliable Rubber Bucket Chain Pump, and until the BUCKET PUMP (shown above) came into the market, it was used largely in wells where the water was impure, as the constant motion of the chain and buckets kept the water in motion and prevented sediment.

PRICES.

Curbs, each	**$2.50**
Chain, per lb. (3 ft. to lb.)	.10
Wood Tubing, per foot	.10
Rubber Buckets, each	.15

Insecticides and Remedies

For the Destruction of All Kinds of Insects that Infest CATTLE, POULTRY or PLANTS.



Pat. March 16 and Nov. 9, 1897.
Pat. in Canada Nov. 2, 1897,
and Jan. 25, 1900.

BUG DEATH.

This Insecticide and Plant Food Combined has been on the market for five years and its sales have shown a large increase each year. We can say to our customers that we give Bug Death our fullest endorsement. While the first cost to kill the bugs on an acre of potatoes is rather more than the arsenical insecticides, the results at harvesting time are entirely satisfactory, and where practical tests have been made *the extra yield of marketable potatoes has more than paid the entire expense.* It is **non-poisonous,** which makes it perfectly safe to use on all plants or vines.

Very Beneficial Results are obtained by using Bordeaux Mixture in connection with Bug Death, and they can be mixed and sprayed on the vines at the same time, with any of the spraying machines on the market for that purpose.

PUT UP IN PACKAGES AS FOLLOWS, WITH TRADE MARK ON EACH PACKAGE:

1-Pound package	$ .15	12½-Pound package	1.00
3-Pound package	.35	100-Pound package	7.00
5-Pound package	.50	Perfection Shaker for applying Bug Death	.65

Slug Shot, a fine powder used for potato bugs and other insects. Recommended for cabbage worms, 5 and 10 lb. packages, per lb. 5 cts.

Pine Tar. Pint Cans. Used in the stable for cuts and bruises, 15 cts.

ARSENATE OF LEAD

Is the best insecticide known for leaf eating insects because it kills quickly. Trees or plants sprayed with Arsenate of Lead and water are quickly freed from their insect pests. It cannot injure the most delicate foliage. One pound to ten gallons of water has been used on young, tender leaves without injurious effects. There is absolutely no danger of scorching or burning the leaves. It adheres to the foliage for weeks. Respraying after rains is the bane of the fruit-grower's life. Arsenate of Lead dries on the leaves into a varnish-like film, which is not affected by dew or rain. One thorough spraying will protect the foliage for an entire season.

PRICE LIST.

1 lb.	Tin Cans,	at 20c. per lb.	20 lb.	Wooden Pails,	at 17c. per lb.
5 lb.	Wooden Pails,	at 18c. “	50 lb.	“ “	at 16c. “
10 lb.	“ “	at 17c. “	100 lb.	“ Kegs,	at 15c. “

Whale Oil Soap. For destroying insects on plants, etc.; in small boxes. Per lb. 15c.; 5 lbs. 50c.

Spanish Pink. Non-poisonous to man or beast; kills cabbage willow or web worms, caterpillars, rose and potato bugs. Excellent for squash, cucumber and melon vines. Price per lb. 25c.

Paris Green. A poisonous, insoluble powder for preventing the ravages of potato bugs, codling moth, caterpillars, slugs and bugs. Mix 1 pound to 100 pounds of plaster, or 200 gallons of water. May be used clear with the Leggett & Hotchkiss guns. Per lb. 25c., 5 lbs. $1.00.

Dry Bordeaux Powder. For preventing blight on grapes, potatoes and other crops that are subject to rust, mildew and black rot; applied dry with bellows. 1 lb. 15c., 5 lbs. 75c.

Dry Bordeaux Mixture and Paris Green. It kills potato bugs and all plant-eating pests, prevents blight and rust, keeps potato and tomato vines and other foliage in a green and vigorous condition. In one and three pound boxes, per lb. 20c.

Bordeaux Mixture (Liquid). This mixture is put up in one gallon patent cans. Retail for $1.00. One gallon will make 50 gallons by the addition of 49 gallons of water. Gallon cans, $1.00.

Dr. DANIELS' Veterinary Medicines.

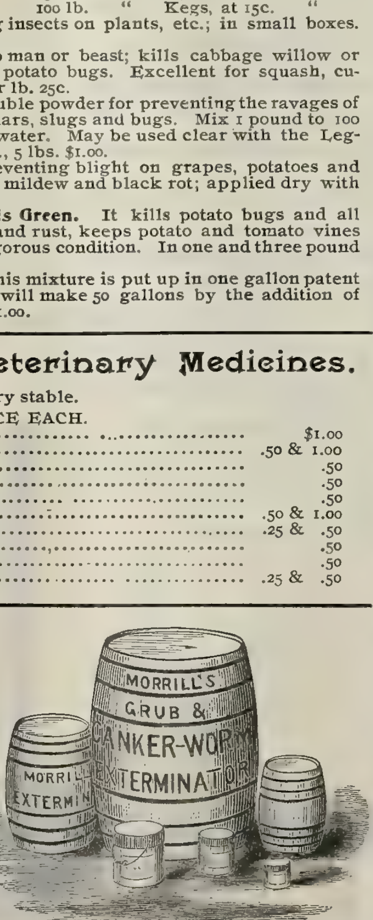
All Reliable and should be in every stable.

PRICE EACH.

Colic Cure	$1.00
Cough, Cold and Fever Drops	.50 & 1.00
Horse Renovator	.50
Wonder-Worker Liniment	.50
Worm Killer	.50
Absorbent Blister	.50 & 1.00
Oster-Cocus	.25 & .50
Liniment Powder	.50
Hoof Grower and Softener	.50
Gall-Cura	.25 & .50

MORRILL'S CANKER WORM EXTERMINATOR.

A sure protection for fruit trees and ornamental trees from the ravages of the grub and canker worm. As easily applied as paint or whitewash by first placing a band of tarred paper six inches in width, securely fastened around the tree four feet above the ground, then covering the paper thoroughly with the exterminator, using a common paint brush. For 2 lb. can, 30c., 3 lb. cans, 45c., 5 lb. cans, 60c., 10 lb. cans, $1.10, 20 lb. cans, $2.00.



COAL TAR. In quart tin boxes. For tarring corn to prevent crows from pulling it. Per can, 25c.

LONDON PURPLE. Used by some in place of Paris Green. Per lb. 25c.

HELLEBORE. Sure death to the currant worm. Per lb. 25c.; ½ lb. 15c.; ¼ lb. 10c.

TOBACCO AND WHALE OIL SOAP. Something new to prevent scale. green and black fly, mealy bug and red spider on greenhouse plants, and kills lice on dogs and poultry. Price, 25c.

TOBACCO STEMS. Indispensable for fumigating greenhouses and conservatories; for destroying aphis. should be dampened before using, and use a small handful on some dry shavings, and light it. Price per 100 lbs., $1 50.

TOBACCO DUST. Kills green and black fly, etc., if dusted on when the plants are moist. Also good to mix in the soil to destroy ground insects. Small size, 10c., for 100 lbs. $2.00.

CONKEY'S ROUP CURE is the only remedy that will positively cure roup in all its forms. It is simply put in drinking water and the chicken takes its own medicine. It prevents colds and is unequalled for canker, especially in pigeons. Price, 50 cents.

GREELEY'S ROUP CURE. The result of twenty-five years' experience. A sure cure if used in season. Price, 25 cents.

LAMBERT'S DEATH TO LICE. As its name implies it is sure death to lice on hens and chickens. It is harmless to human and animal life. Should be used on setting hens; it will not injure the eggs or harm the youngest chick. 15 oz. size 25c., 48 oz. size 50c., 100 oz. size $1.00.

LEE'S LICE KILLER is a liquid preparation; comes in tin cans; highly recommended. Quart, 35c., 2-quart, 60c., 4-quart, $1.00.

DR. HESS' HEALING POWDER. A great antiseptic powder. Cures galls and open wounds. 4-oz. box, 25c.

DR. HESS' INSTANT LOUSE KILLER.

KILLS LICE.

Put up in round can with perforated top ready for use in one and three pound packages. The large size is the cheaper. You get three pounds for 60 cents and with the handle it is just as convenient as the smaller size. Large size, 60c., small size 25c.

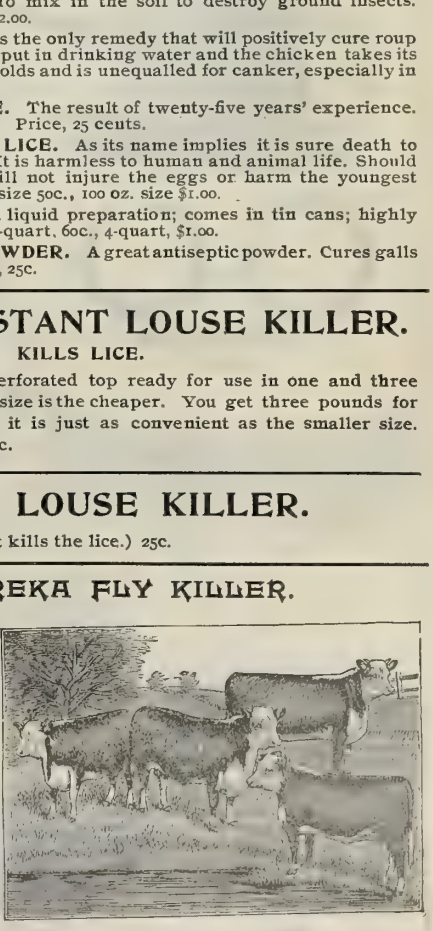
PRATTS' LOUSE KILLER.

Put up in one pound size, (it kills the lice.) 25c.

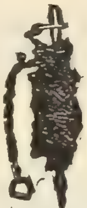
THE EUREKA FLY KILLER.

Protects cattle and horses from fly pest and vermin. Sure preventive, perfectly harmless, easily applied, inexpensive.

Eureka Fly Killer is a sure preventive that kills and drives away the worst of all pests, the Texas, Buffalo and horn flies. It was born of a necessity; it meets an existing demand for an article of its kind, and that it meets it well and perfectly satisfactorily is attested by the numerous and grateful testimonials from farmers who have used it.



Price per gallon, 75c.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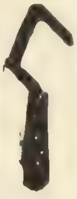
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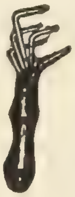
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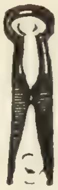
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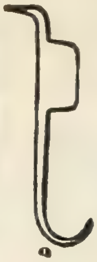
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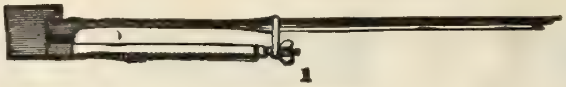
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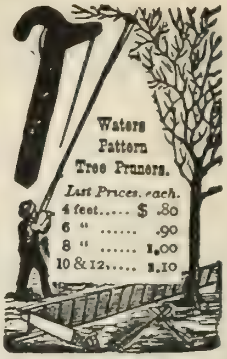

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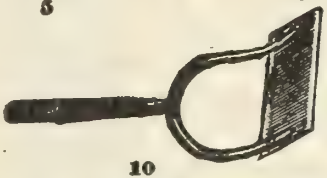
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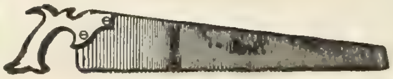
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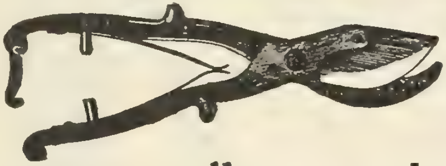
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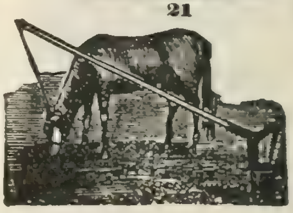
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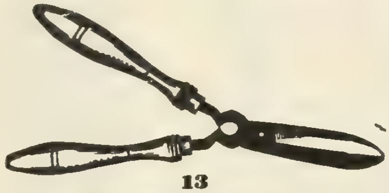
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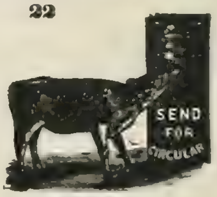

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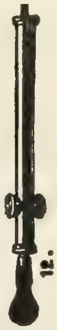
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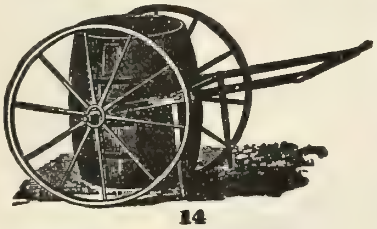
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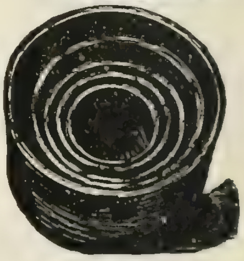
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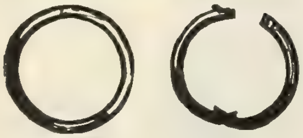
BULL RINGS.
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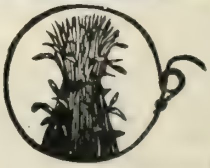
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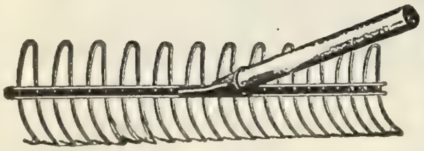
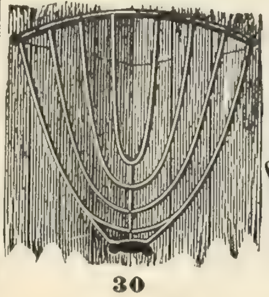

20

Hedge Shears, Border Knives, Scuffle Hoe, Weeders, Etc.

Pruning Saw and Chisel, (Fig. 1)	$1.00
One Man Saw, (Fig. 3) 3 ft., $1.50; 3½ ft., $1.75; 4 ft., $2.00; 4½ ft., $2.25.	
Narrow Tree Saw, (Fig. 2) with handles, 4½ ft., $1.15; 5 ft., $1.25; 5½ ft., $1.40; 6 ft., $1.50.	
Pruning Saw, (Fig. 4) 60c.; Double Edged, Fine and Coarse Teeth, Straight Blade, 16 in, 50c.; 18 in. 60c.; Curved Blade, 16 inch, 50 cents; 18 inch, 60 cents.	
Tethering Chain, (Fig. 5) with Stake, 20 ft. $1.65; 30 ft., $2.00.	
Weeder.—Hazelton's, (Fig. 6)............................	.25
Weeder.—Secor, (Fig. 7)	.10
Seeep Shears, (Fig. 8), used for grass, 25 cents; polished, 60 cents.	
Grafting Chisel (Fig. 9)..................................	.50
Scuffle Hoe, (Fig. 10), 6 inch, 45 cents; 7 inch, 50 cents; 8 inch, 55 cents; 9 inch, 60 cents.	
Pruning Shears. (Fig. 11) 25, 30, 35, 50 and $1.00.	
Garden Syringe, Brass, (Fig. 12) No. A, 12 inch barrel, $2.00; No. 12, 14 inch, $3.00; No. 2, 14½ inch, $4.00.	
Hedge Shears, (Fig. 13) No. 100, 9 inch, $1.50; No. 101, notch in blade for large limbs, $1.75.	
Water Barrel Truck, (Fig. 14) without barrel, including irons....................................	6.00
Bull Rings, (Fig. 15) Copper, 2½ inch, 25 cents; 3 inch 30 cents.	
Post Hole Digger, (Fig. 16) Gibbs patent.................	1.50
Lawn Rake—The Queen, (Fig. 20) Wire, tinned, 60 cents; The Paragon Wire, wood head, 40 cents.	
Animal Tether—Wright's patent, (Fig. 22) animals cannot get entangled....................................	2.75
Calf Feeder, Small's, (Fig. 23) $2.00; extra nipples, 25c.	
Wood measures, Oak, (Fig. 24) Full set, sealed, $1.25; 1 qt., 10 cents; 2 qt., 15 cents; 4 qt., 25 cents; 8 qt., 30 cents, ½ bushel, 50 cents.	
Corn Tie, Holdfast, (Fig. 25) per hundred	$1.50
Carver's, per hundred, 60 cents; per thousand	5.00
Malleable Iron, 12 teeth, 25c; 14 teeth, 30c; 16 teeth, 35 cents.	
Cast Steel Rake, 12 teeth, 45c; 14 teeth, 50c; 16 teeth..................................	.55
Wood Lawn Rake, 24 teeth, 50 cents; 22 teeth.......................	.40
Iron Hitch Post, (Fig. 26) with Chain................................	2.25
Wood Hitch Post, Iron Cap..	1.75
Feed Bags (Fig. 27) Iroquois, 85 cents; Whitaker, 75 cents; B. O., 60 cents; Brave, 60 cents; Modock.........................	.35
Corn Manger, (Fig. 29) cast with guard......................	1.25
Corner Hay Racks, (Fig. 30) cast.....................................	1.25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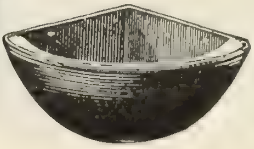
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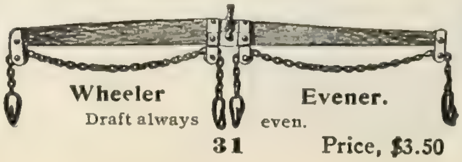
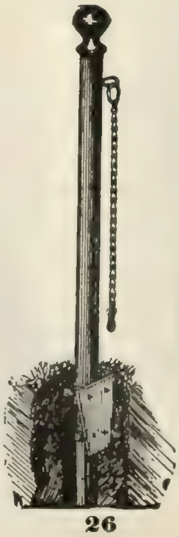

Wheeler Evener.
Draft always even.
31 Price, $3.50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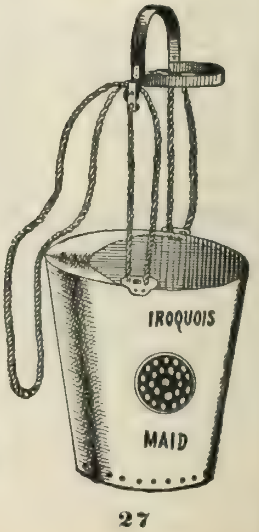

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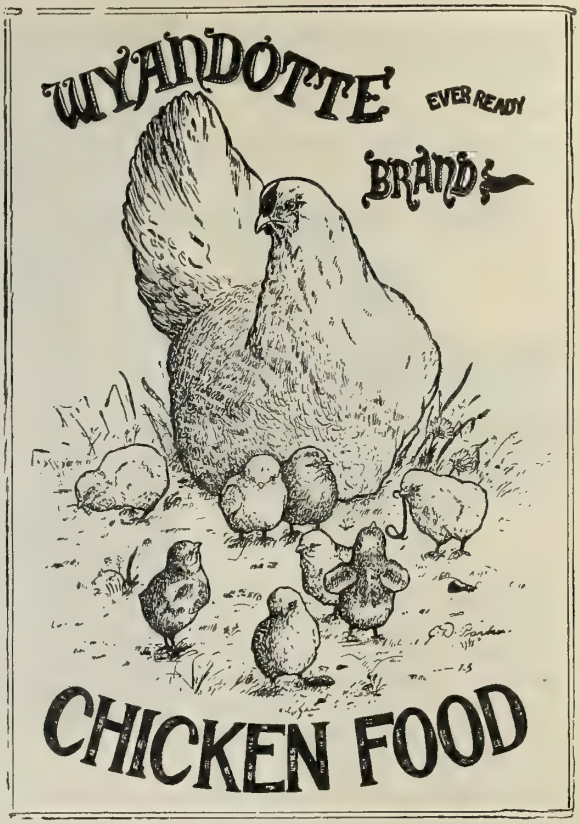
Wyandotte Brand Ever-Ready Chick Food.



THE question of feed for young chickens is one that has puzzled for years not only the amateur with but a limited number of chicks, but the fancier who raises them by the thousand. The ways of doing things have changed wonderfully during the past ten years, but there is no one branch of farming that has seen a greater improvement than the poultry department.

Ten or fifteen years ago the old setting hen was relied upon to furnish the increase in poultry, and in a great many ways she satisfied this demand as well as could be expected, under the conditions. The first thing after a brood of chicks came off was for the good housewife to stuff them with wet dough usually composed of Indian meal and bran, and so wet that even the old hen herself had all she could do to digest it, cooped up as she usually was with no exercise. The result was that at the end of ten days or two weeks but very few of them remained, and very soon the old hen was given another lot of eggs to try her hand again, only to find at the close of the season that the flock had barely held its own after allowing for natural losses of the old ones.

We saw this great mistake, and three years ago placed on the market our Wyandotte Brand Ever-Ready Chicken Food. We bought material for mixing a few tons only, as we were not quite sure whether we had selected just the right proportions or not, but greatly to our surprise we had barely gotten into the market when our supply was exhausted and for four months we were kept busy trying to keep up with the demand. Testimonials came in from all parts of the state telling wonderful tales of its successes, and the result was that the next year we made our plans to double our product, but we soon found that we had missed our calculations again and were in just the same predicament, and it was utterly impossible for us to supply the demand. It is not only used now largely in this country, but we have shipped it the past season to South America, New Zealand and Australia. Since we first placed this Food on the market it has been imitated by at least a dozen different firms, but it has been equalled by none.

During the past year we have bought our materials in larger quantities and we have sold carloads where we expected to sell tons the first year. We think this statement alone ought to convince any sane minded person that Wyandotte Chicken Food is the kind to feed. If anyone doubts our word, we will refer them to parties that furnish us with bags for shipping it.

Now, just one word to those who have never fed it, in regard to how Wyandotte Food is made. It consists of the very choicest cereals, finely cracked and screened, free from dust, the best bird millets and granulated charcoal. In all, nine different ingredients are used and all in the right proportion to produce the best results. This makes a feed that is always ready and that is why we called it Ever-Ready. It is fed dry, as all feeds should be. Wet, or even moist food of any kind, should never be fed to little chicks under any circumstances.

There never was a time when the outlook for raising poultry was as promising as at the present time. Order a bag for trial and note the results. Small samples mailed free.

PRICE: 25 lbs., 75 cts.; 50 lbs., $1.35; 100 lbs., $2.50.

Grain and Feed Dealers ask for Wholesale Prices.

EVERY MORNING POULTRY MASH.

This is a highly nutritious, balanced ration, ready to mix for the morning or evening mash for laying hens. This food is sold under a guarantee to contain not less than 12% protein and 3.50 fat. It is different from most mashes on the market in that it contains medicinal properties as well as for producing eggs. It contains those grains that are high in egg making qualities, and feeding this mash once each day will keep the flock in a healthy condition.

Laying hens should never be over fed with warm mash for it has a tendency to make them stupid and inactive, but just enough should be fed so they will eat it up clean and crave for more. It should be followed with a little of our Every Day Scratch Food for exercise. While this is equal to many of the patent foods on the market, it is sold at the price of common grain and should be fed during the winter and spring months when eggs are required.

Put up in 100 lb. bags only.

Price per 100 lbs., **$2.00;** 500 lbs. or over, **$1.85** per hundred.

EVERY DAY SCRATCH FOOD.

As its name signifies, this is a mixture of mostly whole grains such as wheat, oats, corn, buckwheat, barley, sunflower, kaffir corn, millet, charcoal, scraps, etc. It contains everything necessary to produce bone and muscle, but has no grit or oyster shell, and fowls will always find something tempting to make them scratch for it. A small amount of this thrown in the litter after they have gone to roost at night will set them at work early in the morning. Hens standing around with nothing to do will never lay eggs, and there is no one kind of feed that will make them. They must have clean, dry quarters, fresh water, plenty of exercise. Fresh cabbage or mangels for green food and then our Scratch and Mash food properly fed will produce eggs when they are wanted the most. We have tested this feed with excellent results.

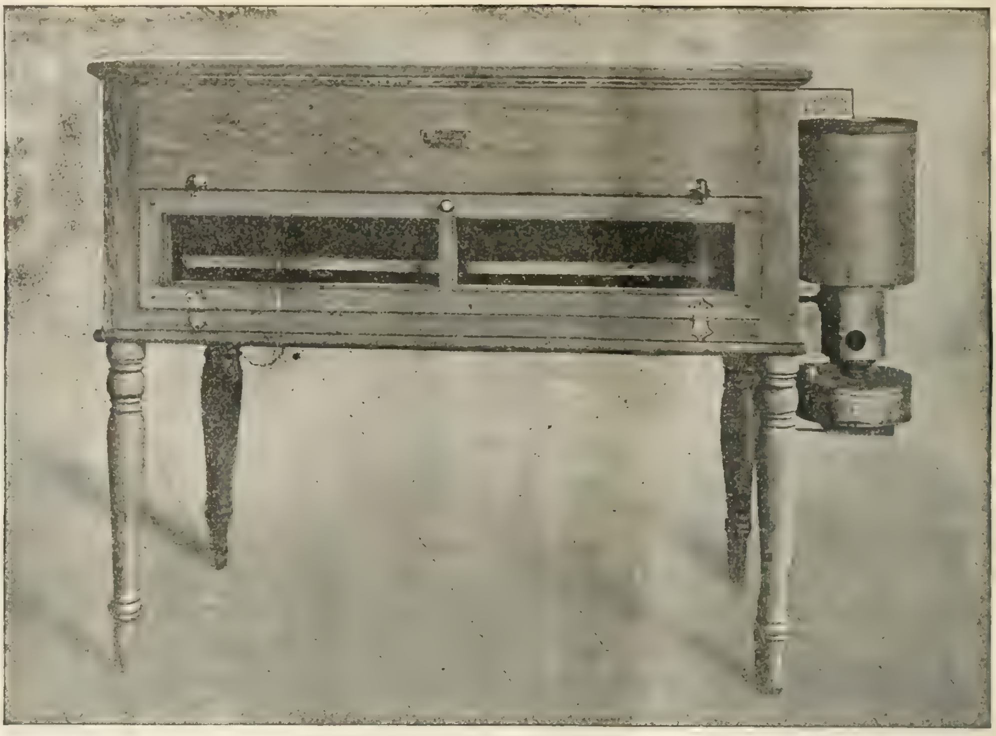
Price: 10 lbs., **25 cts.;** 50 lbs., **$1.10;** 100 lbs., **$2.00.**

Special price by the ton.

$5000.00 IN GOLD to be given August 1st, 1905.
Write for Book giving particulars.

Cornell Incubators and Peep-o'-Day Brooders.

The Best Line of Machines for Hatching and Raising Chickens Ever Invented.



It is impossible for us in the small space at our disposal to give anything like a complete description of this line of goods, but will mail free a complete catalogue describing them fully. We will mention a few of the good points. First, the table top

THE TABLE TOP. This, to our mind, is one of the most important improvements on any incubator made, and is alone worth the difference in price that you have to pay on other makes. The regulator, as will be seen by the cut, is inside, and out of danger, and leaves the top free to use in turning and testing eggs. Many hatches have been spoiled by a cat, or possibly a rat hitting or lying against the regulator during the night when the machine is left to itself. With the Cornell such accidents are impossible.

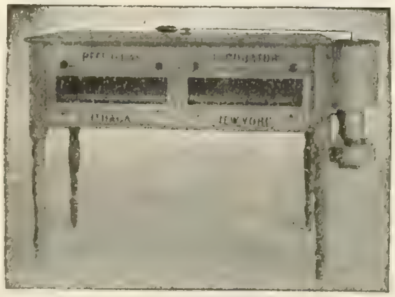
THE DOOR on the Cornell Incubator is entirely original, and is found on no other make. It is practically two doors in one without that inconvenience; it being opened as one door. Each section is insulated with felt, making it a positive fit and practically air tight.

THE CORNELL INCUBATOR. This machine with its improvements, we believe, and the manufacturers guarantee, to be the best incubator on the market for the coming season. The walls and all partitions of this incubator are all packed with cotton and can be run successfully in a room with lower temperature than any other machine. The lamp (please notice cut) contains a water or moisture tank at the top, which solves the moisture question beyond any doubt. The finish of the lamp is also far superior to any used in any other machine. The jacket is made of asbestos with an iron top, which makes it practically fire proof. It is the best finished machine on the market. After six months' careful trial at the Pan-American Exposition it took the Gold Medal as being the best incubator there.

"In the 1905 model Incubator and Peep-o'-Day Brooder we offer an invincible team that will hatch every egg that should hatch, and bring to perfect maturity every chick that has been hatched."

This is the manufacturers' guarantee and we will back it up. If you buy the Cornell Incubator you not only get the best machine on the market but stand a good chance of winning one of the cash prizes.

Peep-o'-Day Incubator.



The 1905 Peep-o'-Day Incubator can be depended upon to do as good work as any other make of machine excepting the Cornell. The outer case is made of pine, carefully put together and nicely finished. It does not have the table top, compound door or piano legs, but will do as good work with the same care, and is a good, low priced incubator. See price list.

COMPLETE PRICE LIST.

CORNELL INCUBATORS.

No. 1.	108-egg size, - - -	$18.40
No. 2.	216-egg size, - - -	28.00
No. 3.	364-egg size, - - -	35.00

PEEP-O'-DAY INCUBATORS.

No. 1.	108-egg size, - - -	$12.00
No. 2.	216-egg size, - - -	18.00

PEEP-O'-DAY AND HOMESTEAD BROODERS.

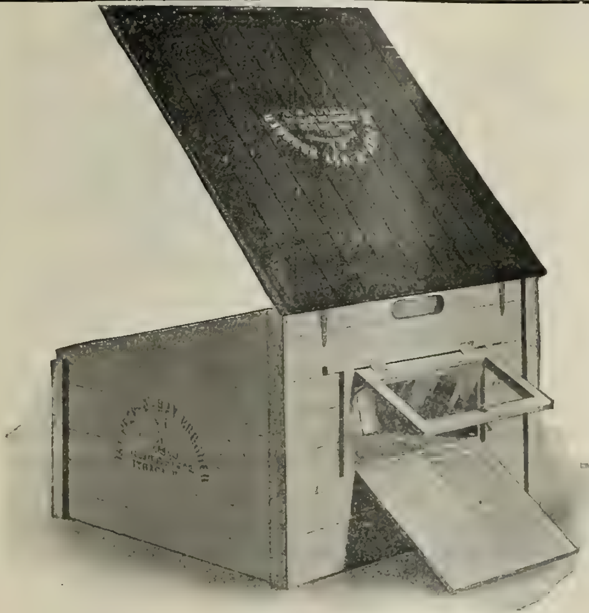
No. 1.	In or Out Door Brooder,	$10.50
No. 2.	In or Out Door Brooder,	11.00
No. 3,	In or Out Door Brooder,	7.50
No. 4.	Indoor Brooder, - -	8.50
No. 5.	Indoor Brooder,	7.50
Peep-o'-Day Junior Brooder,		5.00
New Homestead, - - - -		12.00

PEEP-O'-DAY COOPS AND COLONY HOUSES.

No. 1.	Sitting Coop, - - - -	$ 2.00
No. 2.	Coop or Colony House, without floor, - - -	5.00
No. 2.	Coop or Colony House, with floor, - - - -	6.00
No. 3.	Coop or Colony House, without floor, - - -	5.00
No. 3.	Coop or Colony House, with floor, - - - -	6.00
No. 4.	Coop or Colony House, with run, without floor,	6.00
No. 4.	Coop or Colony House, with run, with floor, -	7.00
No. 5.	Colony or Poultry House, with run, - - - -	16.50

Peep-o'-Day and Homestead Brooders.

No matter how good an incubator you have, it is important that you have a safe and reliable brooder of some make. The Peep-o'-Day is so well known that it needs no word of praise from us. We can show here only one style, but they make several sizes and different styles, all of which are illustrated in their catalogue, which will be mailed free. When buying a brooder, be sure and get one large enough, or better still, have a greater number of small ones to give the chicks plenty of room. There is nothing gained, only a few dollars saved in the first cost, in crowding the chicks into too close quarters. Peep-o'-Day Brooders are made for all conditions and all kinds of work. They are the best brooders on the market at the present time. If you use one of these brooders and feed Wyandotte Chicken Food with fresh water or milk, with plenty of room, the results will be satisfactory in the end.

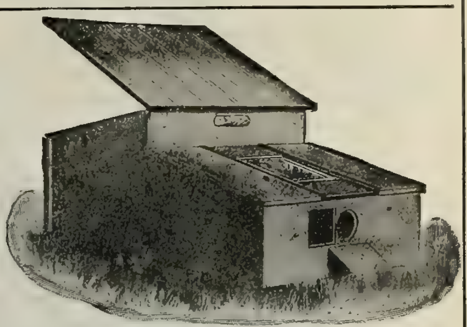


Peep-o'-Day Brooder No 1.

This is the best all-around brooder for both in and out-of-doors, and one used extensively in brooder houses It is the original Peep-o'-Day Brooder that has been on the market for the past thirteen years.

DIMENSIONS: Three square feet by 27 inches high. Hover, 2 feet in diameter. A double-grooved roof, that is absolutely waterproof. The Peep-o'-Day lamp, which burns from 30 to 40 hours. A brooder of this size is rated by other manufacturers from 150 to 200 chick size, but we do not recommend over 50 to 75 chicks in any brooder.

Weight, 100 lbs. Price, $10.50.



Peep-o'-Day Brooder No. 2.

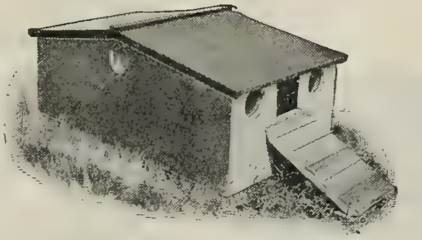
For indoor and outdoor use. This brooder is for outdoor use, for of course any brooder may be used inside and should be until the snow has gone. Being constructed with a permanent front or sun-parlor annex, it is a very desirable outdoor brooder, but not quite so convenient for inside use.

DIMENSIONS: Five feet long, three feet wide and two feet high. Hover, two feet in diameter, with a special brooder thermometer, and the latest improved lamp, which will burn from 30 to 40 hours. This brooder is absolutely storm-proof, made of white pine, and handsomely painted.

Weight, 120 lbs. Price, $11.00.

Peep-o'-Day Junior Brooder.

In this brooder are embodied many of the superior qualities found in the regular Peep-o'-Day, and is unquestionably the best **$5.00** brooder on the market. We do not pretend to say that it is equal to the best Peep-o'-Day goods, or that a more substantial style will prove more satisfactory in the end, but for a beginner who does not care to pay over $5.00 for a brooder he will find that this one will meet his requirements. A thermometer goes with each of these brooders, and it may be read any time without being removed. We know of no other $5.00 brooder with which a thermometer is furnished. This brooder is neatly painted.



DIMENSIONS: 4 feet long by 26 inches wide.

Weight, 75 lbs. Price, $5.00.

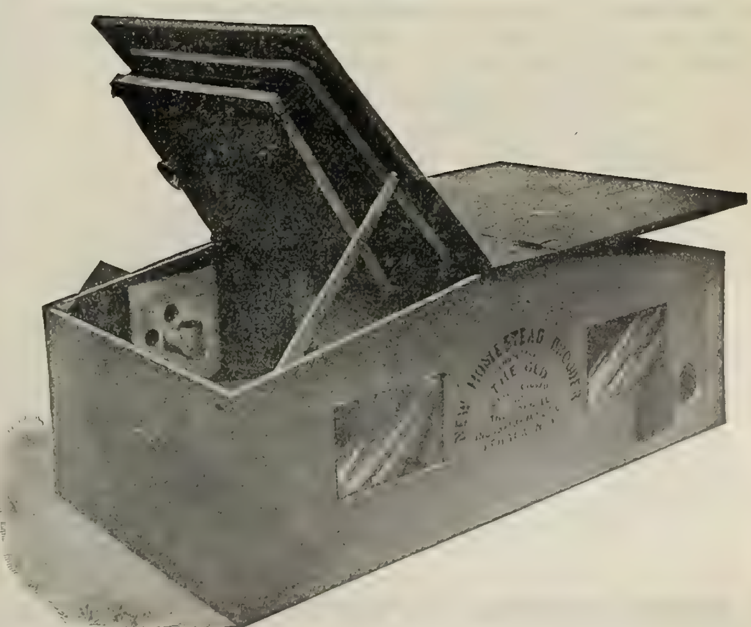
THE NEW HOMESTEAD BROODER. For Indoor and Outdoor Use.

The Cornell Incubator Co. have recently purchased the Old Homestead Brooder patents, name and good will, and are now making what they have christened "The New Homestead." They have improved this brooder very much, and for this coming season it will be provided with the Peep-o'-Day lamp, the one dependable brooder lamp on the market.

One valuable feature of this brooder is its freedom from pipes, registers or other obstructions, for every inch of the inside space is available and the chicks are all visible either through the large window or by raising the cover. The heater or radiator is one of the principal features of this brooder and is protected by patents, and cannot be found on any other make. It is simple in construction and inexpensive to run. The lamp is attached to the side of the brooder and has a distinct apartment of its own. The heat generated by the lamp passes upward through the pipe and enters the radiator overhead, where it is diffused by a system of flues, and finally finds its way out into the open air through an exhaust pipe in the center. Smoke or fumes from this lamp cannot possibly enter the brooder. The system of ventilation in this brooder supplies an abundance of pure fresh warm air. The cold air is taken in at the top and warmed by the radiator before it enters the brooder. It is forced down to the floor around the chicks, thence into the ventilator shaft which opens on the floor level. This new system of top heat with bottom ventilation does away with the stumbling block to chicken raising.

The New Homestead, as now built with the Peep-o'-Day lamp, is the best brooder on the market.

Price, - - - $12.00.

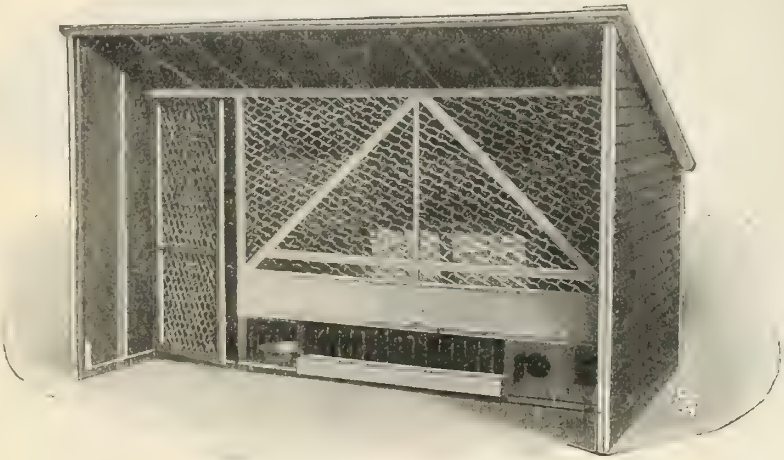


Portable Poultry and Colony Houses and Coops.

Peep-o'-Day Portable Houses. The best way to handle poultry in the warm weather is in small Colony Houses.

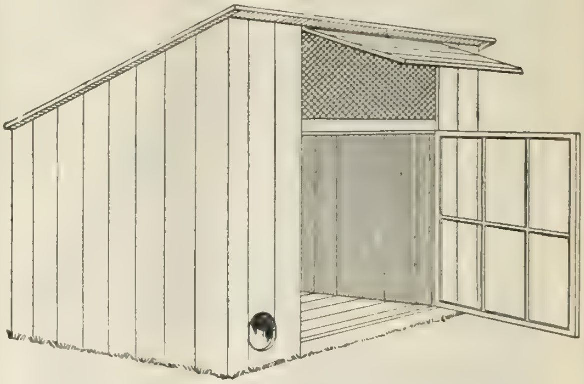
These are very unique in construction and very much appreciated by both amateur and professional. No nails or screws are used in putting them together. They are fastened by means of bolts, and they can be taken down or set up by anyone in a very short time. The illustration shows the interior view with one side removed. It is in every sense a model hen house for feeding and caring for the flock. Size, 6½ ft. by 10 ft

Price, $38.00. Covered Yards, extra, $10.00.



Peep-o'Day Portable House No. 1. Interior view, showing side removed. Price, $38

CHICKEN COOP NO. 2.

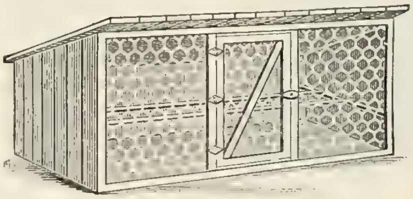


This coop is for a brood of 30 chickens after they have left the brooder and do not require heat; it may also be used for a roosting coop. It is well ventilated, well lighted, and may be closed tight on stormy days. It is especiallyadapted for fall and winter use.

Dimensions: 4 feet long by 3 feet high by 3 feet wide. It is made of white pine and neatly painted. A good sized window forms the door. Put together with screws.

Weight, 60 lbs. Price, without floor, $5.00. With floor, $6.00.

PEEP-O'-DAY COOP NO. 3.



This is a summer roosting coop for 30 to 40 chickens, 15 to 20 hens, and may also be used as a duck shed. It has an open wire front, though if desired, may be made with closed front.

Dimensions: 6 feet long by 3 feet wide by 3 feet high. It is made of white pine and neatly painted. The front is covered with 1-inch mesh wire netting. There are two 6-foot roosts. Put together with screws.

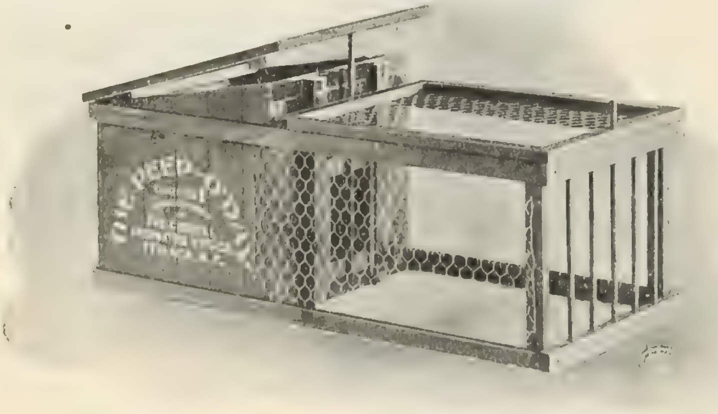
Weight, 90 lbs. Price, with floor, $6.00. Without floor, $5.00.

Peep-o'-Day Brooder and Colony House Combined.

Built with Wire Runs.

Poultrymen have been very much in need of a larger outdoor brooder that can be readily converted into a colony house after the chicks are of sufficient size. Home-made poultry houses built of dry goods boxes are not satisfactory, and it is oftentimes difficult to procure boxes at any reasonable price, and then they have to be rebuilt before they can be used. This brooder and colony house is divided into equal compartments — nursery and sun parlor. The nursery end has double walled tops and sides forming an isolated air space, lined with felt paper. It has the Peep-o'-Day hover and lamp and closed door 20 inches square. The sun parlor occupies the other end and is connected with the nursery by an inside door and run. It has both closed door and wire doors for warm nights. A wire covered run is furnished if desired.

Price for Brooder and Colony House Combined, -	$16.00.
Wire Covered Run, 3 x 6 feet, - - - - - -	4.00.
" " " 3 x 12 feet, - - - - - -	7.00.



PEEP-O'-DAY COOP NO. 2.

This little coop and run combined is very popular. On farms where the hen is still utilized for hatching, it will furnish plenty of room for the old hen and chicks until they are large enough to have their liberty. It is waterproof and perfectly safe during severe storms and at night.

Dimensions: Coop, 18 x 16 inches. Run, 18 x 24 inches.

Price, - - - $2.00.

SEND FOR COMPLETE CATALOG OF CORNELL GOODS

The Farmers' Money Bag

Milk makes the Money, but Dr. Hess' Stock Food makes the Milk.

Like a magic purse the farmer's money bag fills itself.

We Guarantee Dr. Hess' Stock Food

to increase the bone, muscle and milk producing value of your hay, grain, etc., sufficient to cover its cost many times over, besides keeping animals free from disease.

It is the prescription of Dr. Hess (M. D., D. V. S.) and contains the bitter tonics long known in medicine for improving the appetite and the flow of juices necessary to assimilation; this preparation also contains the salts of iron, which are the greatest blood and tissue builders, together with the nitrates of sodium and potassium, and sufficient laxatives to regulate the bowels. These medicinal tonics, etc., are blended with nature's roots, herbs, barks, seeds, etc., and we want every stockman to test Dr. Hess' Stock Food with the understanding that if it isn't thoroughly satisfactory, their money is to be refunded.

DR. HESS' POULTRY PAN-A-CE-A

is the guaranteed egg producer. The high price of poultry and eggs in the market today, renders this preparation indispensable to poultry raising. It not only insures an increase in the egg yield, but cures gapes, cholera, roup, indigestion, leg weakness and the like. It is a tonic to the young, makes them grow fast, healthy and strong.

INSTANT LOUSE KILLER

destroys lice on poultry and stock, sheep ticks, bugs on cucumber, squash and melon vines, cabbage worms, slugs on rose bushes, etc. It is a powder, put up in round cans with perforated top. It is sold on a written guarantee.

FOLLOWING ARE THE PRICES OF DR. HESS' SCIENTIFIC COMPOUNDS:

Dr. Hess' Stock Food.

2½ lb. package	$ .25
7 lb. package	.50
12 lb. sack	.75
25 lb. pail	1.60
100 lb. sack	5.00

Dr. Hess' Poultry Pan-a-ce-a.

1½ lb. package	$ .25
5 lb. package	.60
12 lb. package	1.25
25 lb. pail	2.50

Instant Louse Killer.

1 lb. package	$ .25
3 lb. package	.60
1 qt. can (liquid)	.35
½ gal. can (liquid)	.60

Dr. Hess' Healing Powder. 4 oz. can . . . 25 cents.

Kow Kure. Prevents and cures abortion and barrenness. Increases the flow of milk. It is for cows only. 50c. and $1.00.

Cow Tone. For same purpose as Kow Kure. Considered by some as preferable to it. 50c. and $1.00.

Cow Relief. Cures caked bag and sore teats. Should be in every stable. 50c. and $1.00.

Calf Cordial. Sure cure for scours and other similar complaints. 50c.

Parrot Food. A mixture of whole seeds, especially designed for parrots. Lb. 10c.; 3 lbs. 25c.

Pigeon Food. A mixture of Kaffir Corn, Vetch, Peas, etc. Lb. 10b.; 20 lbs. $1.00.

Hemp Seed. For birds or chickens. Lb. 10c.; 10 lbs. 75c.

Canary Seed. Lb. 10c.; 10 lbs. 75c.

Paddy, or Unhulled Rice. Lb. 10c.; 3 lbs. 25c.

Canada Peas. For pigeons and parrots. Lb. 5c.; 100 lbs. $4.00.

Alfalfa Clover Meal. This is the latest and best food for all kinds of poultry. It is alfalfa pure as can be had, finely ground, and should be mixed with other kinds of feed, and being light, it makes a very nutritious food and is also an egg producer. Per 100 lbs., $2.00.

Common Second Crop Cut Clover. Can be fed dry or mixed with other feed. Per 100 lbs., $2.00.

Granulated Charcoal. Fine for small chicks. Per lb. 8c.; 20 lbs. $1 00.

Cracked Charcoal. For poultry. Per lb. 5c.; 30 lbs. $1.00.

Sea Shells. This is similar to common oyster shells, only they are very small shell and are fed whole, and as they contain a large amount of meat, are a grand egg producer. Per barrel of about 150 lbs., $1.75.

Sheridan's Condition Powders. These goods are known in every town and need no recommendation from us. Large size, regular $1.00 size, our price 80 cents.; small, 20 cents.

Dole's Horse, Cattle and Poultry Food. This is one of the best foods for milch cows to increase the flow and keep the animal in condition. Once tried, always used. Large box, 75 cents.

Meat Meal. Is finely ground meat and blood, and is preferred by many to Beef Scraps, as it may be mixed with wet feed and prevents waste. Per 100 lbs., $2.00.

Desiccated, or Dry Ground Fish. For poultry. This is a great egg producer and takes the place of beef scraps, which are so hard to get at the present time. The price is also much lower than scrap. Per 100 lbs., $2.25.

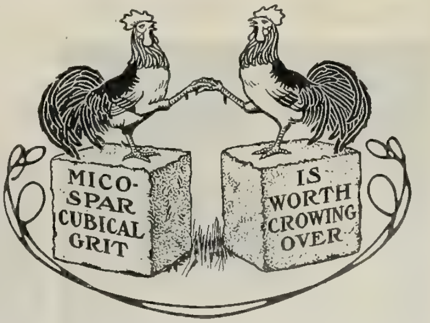
Glass Nest Eggs. Each, 5 cents. Dozen, 30 cents.

Kaffir Corn. This is probably one of the best, as well as the cheapest, food for hens, chickens or pigeons. It is about the size of a very small pea, and is fast taking the place of other grains for poultry food. Try it. Per 100 lbs., $1.75.

Mico-Spar Cubical Grit. Cracked in three sizes. No. 2, for Poultry. No. 3, for Pigeons. No. 4, for Small Chicks. Price per 100 lbs., 75 cents.

Milford Granite Grit. Two sizes, for Poultry and Chicks. Per 100 lbs., 75 cents.

Green Cut Bone in season. We can furnish this in 50 and 100 lb. lots at $3.00 per 100 lbs.

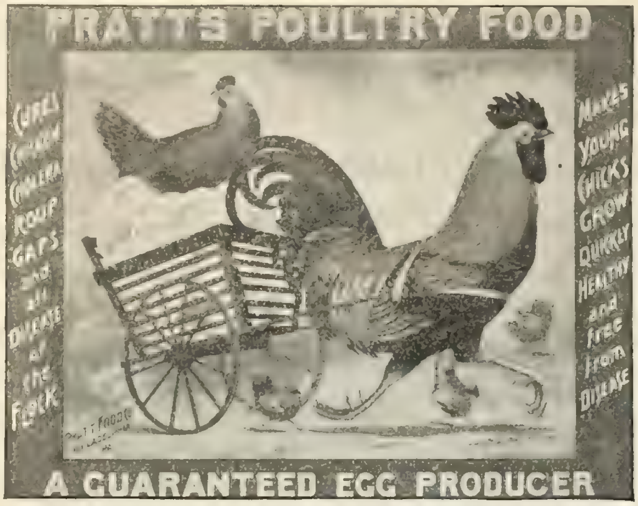


Old Fashioned Beef Scraps. These Scraps are ground fresh for us, and do not contain any oyster shell or tankage, but are good fresh bone and meat. Per 100 lbs., $2.50.

Cracked Bone. Fresh cracked bone, without any meat, will keep for any length of time. Should always be kept in a box where the hens can get to it. Per 100 lbs., $2.00.

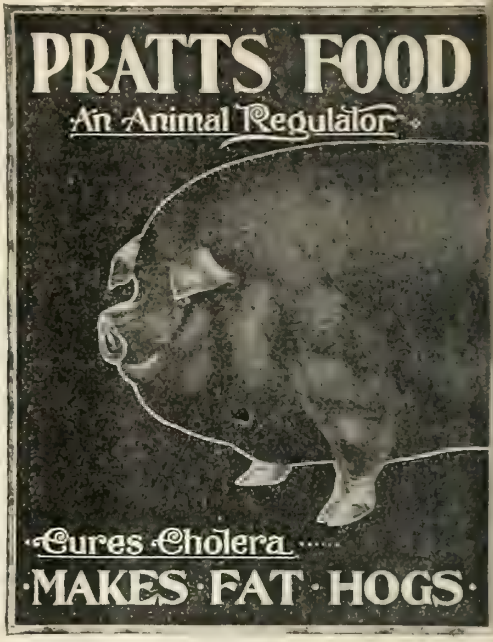
Ground Oyster Shells. For Poultry or Chicks. Per 100 lbs., 60 cents.

Wyandotte Chick Food.	100 lbs., $2.50.
Every Day Scratch Food.	100 lbs., $2.00.


PRATTS POULTRY FOOD
Cures Chicken Cholera Roup Gaps and all Disease of the Flock
Makes Young Chicks Grow Quickly Healthy and free from Disease
A GUARANTEED EGG PRODUCER

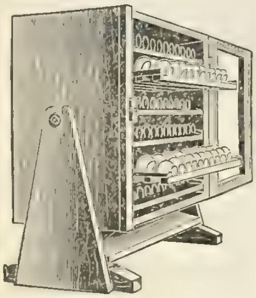
PRATTS Poultry & Cattle Foods.

We have sold Pratts Foods for several years and always found it reliable and can recommend it with confidence to our customers. To get the best results it should be fed regularly. It keeps the poultry in good condition, and is indispensable in the stable. It keeps cows and horses in the pink of condition.



PRICES.

Poultry Food, large size	$ .60
Poultry Food, small size	.25
Poultry Food, 12 lb. bags, each	1.25
Poultry Food, 25 lb. bags, each	$2.50
Pratts Horse, Cattle and Hog Food, 12 lb. bags, each	$ .75
Pratts Horse, Cattle and Hog Food, 25 lb. bags, each	1.50



Houghton's Wire Egg Turner.

This turner is made for the use of all Poultry Breeders, large and small, to hold and turn eggs which are to be used for hatching, as it is a well-known fact that all eggs used for that purpose should be turned every day or two so that the yolk will not settle to one side and destroy the fertility of the egg.

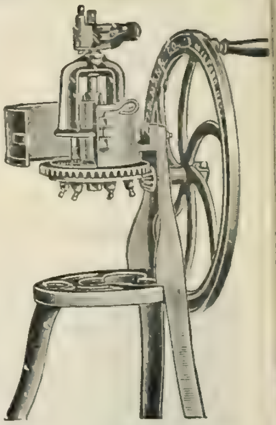
They are just the thing to hold and turn eggs which are kept in storage for higher prices. If turned every day or two they will keep fresh for weeks.

Price List of Wire Egg Turners:

1008 Egg Size,	$8.50
504 Egg Size,	5.50
336 Egg Size,	4.25

Mann's New Open Cylinder Bone Cutters.

Practical Poultrymen are for the most part concerned with facts. They want eggs when eggs are worth most. The fowl demands raw animal food. When hens get such food in abundance they lay in abundance. When they are deprived of such food they do not lay so abundantly. Properly cut Green Bone, with meat and gristle attached, supplies this food in the most available manner.



NET CASH PRICE LIST.

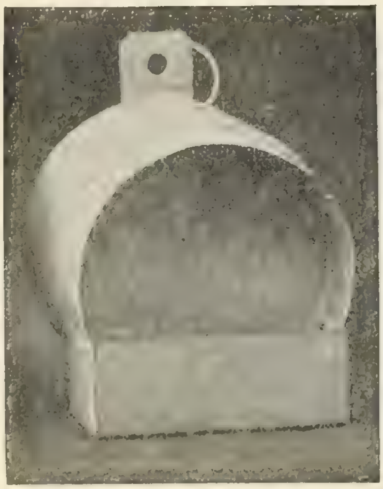
No Discount from these Prices.

No. 5C (with Crank Handle)	$ 6.00
No. 5B (with Balance Wheel)	8.00
No. 5BM (with Balance Wheel and Iron Stand)	10.40
No. 7 (with Balance Wheel)	12 00
No. 9 (Standard Bone Cutter, Iron Stand)	18.40
No. 11 (Combination Power Cutter)	25.00
Clover Cutter (with Balance Wheel)	8 00
Clover Cutter (with Balance Wheel and Iron Stand)	10 00
Mortar (Perforated, Cast Iron)	3 00
Swinging Feed Tray (18 in., 27 in., 36 in. long)	$1.00, $1.25, $1.50

OUR OWN SPECIAL LINE OF GALVANIZED POULTRY FOUNTAINS AND FEEDERS.

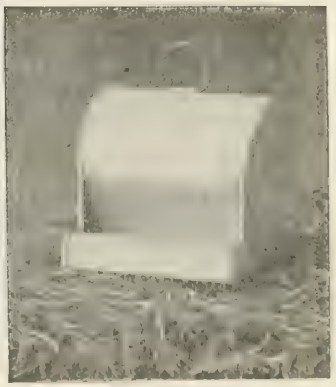
All well regulated poultry houses should be provided with suitable grit boxes and drinking fountains. This list has been selected from a large number, and we confidently believe them to be the best line on the market.

No. 8. LEADER Drinking Fountain.



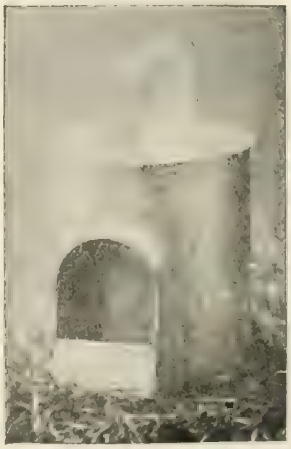
½ Gal., 2 x 5½, 35 cts. 1 Gal., 2 x 7, 50 cts.

No. 7. AUNTIE Drinking Fountain.



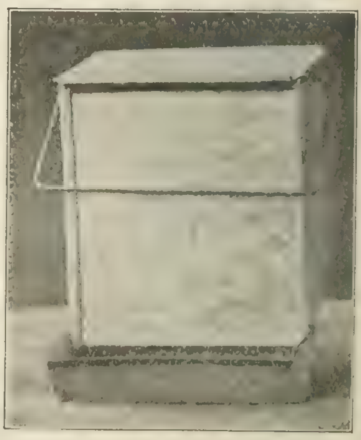
½ Gal., 35 cts. 1 Gal., 50 cts.

No. 1. OUR FAVORITE Drinking Fountain.



1 Gal., 50 cts.

No. 11. FEEDER, for Grit or Shell.



1½ Quart, 35 cts. 3 Quart, 50 cts.

"LOOK FOR THE BOY"
REX
ROOFING
TRADE MARK
Flintkote

REX FLINTKOTE ROOFING.

Is less affected by changes in temperature, and is more durable than other roofings, due to the use of high-grade and perfect non-conducting materials in its manufacture. As a roofing and siding for poultry buildings Rex Flintkote Roofing is especially adapted. It keeps the poultry and stock warm and dry in winter and cool in summer and protects them from draughts and dampness, making them less liable to cold and disease. We also call attention to its value as a roofing and siding for all kinds of farm buildings, outbuildings, silos, etc. Cheaper than shingles, more easily laid and more durable. Flintkote Roofing is made from perfect non-conducting materials and is water, acid and alkali proof. It is therefore unaffected by heat and cold or fumes of any kind, and can be laid in all climates. Coming in four plies—½, 1, 2 and 3 ply—it is suitable for any roof, provided there is a pitch of ¼ inch to the foot or over, and can be quickly and cheaply laid.

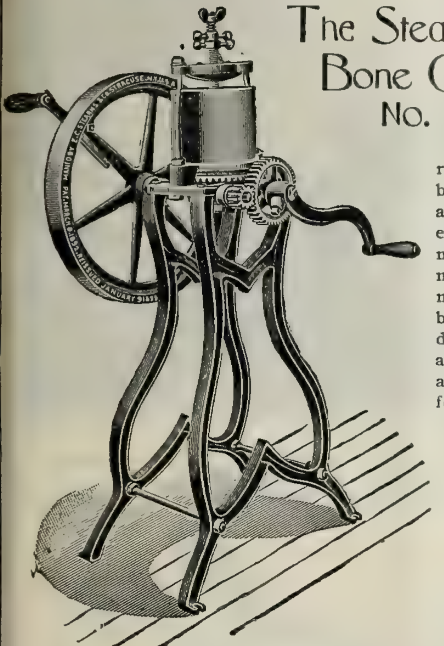
PRICE LIST FLINTKOTE ROOFING

½-Ply per square (100 square feet)	**$1.75**
1-Ply " "	**2.25**
2-Ply " "	**3.25**
3-Ply " "	**4.00**

Each roll contains 216 square feet. Two squares (200 square feet) and 16 square feet for laps and butts. Inside each roll is packed sufficient nails, caps and cement for laying. The above are included in price quoted.

The Stearns Bone Cutter.

No. 7.



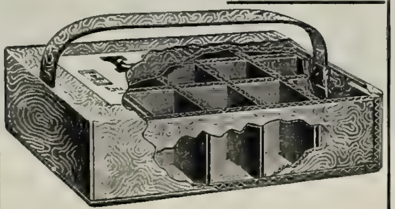
Stearns No. 7.

This mill runs on ball bearings, and is the easiest running bone mill on the market. The bearings are dust-proof, and it has an automatic feed.

Price, $20.00.

Cash with order, 5 per cent. discount.

Eyrie Egg Box



Just What You Have Been Looking For!

The box is so firmly braced by the Corrugated Partitions that it will stand a weight of over a thousand pounds. The box packed weighs less than two and three-quarter pounds, and the express to any part of the United States will not exceed 45 cents. It only takes about quarter the space of an ordinary basket.

PRICES.

No. 1.—1 Sitting.—15 Egg.

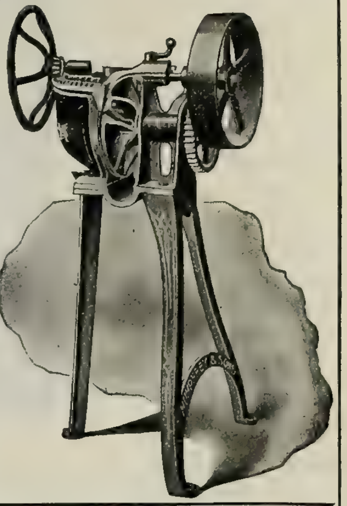
Lots of 1 Dozen	$1 25 per Dozen
" 10 "	1.20 "

No. 2.—2 Sitting.—30 Egg.

Lots of 1 Dozen	$1.90 per Dozen
" 10 "	1.80 "

The Humphrey Green Bone and Vegetable Cutter

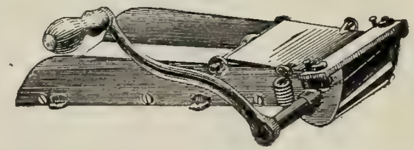
The Humphrey Bone Cutter is entirely different from other makes, but we have found that it gives good satisfaction, and our increased sale prompts us to show it in our catalogue, and we warrant every machine to do perfect work. We carry but one size in stock, but can furnish any size from the factory.



No. 1 HAND POWER, $12.00.

5 per cent discount for Cash.

Stearns Clover Cutter.

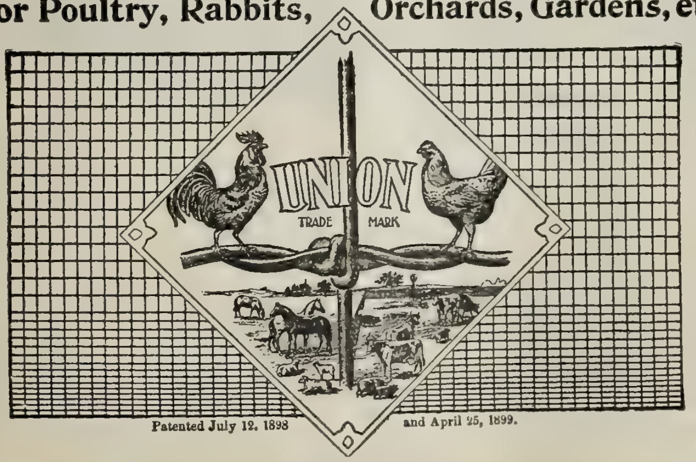


A very handy but cheap cutter for small poultry keepers. Fastens to any table or bench.

Price, $3.00.

UNION LOCK POULTRY FENCE.

For Poultry, Rabbits, Orchards, Gardens, etc.



All main strands are two wires twisted together.

Pickets 3 in. apart. Cables 1¼ in. apart at bottom.

Patented July 12, 1898 and April 25, 1899.

In comparing prices with ordinary poultry netting remember these bales are 15 feet longer. We don't sell less than full rolls.

The horizontal lines of this fence are all composed of two No. 20 galvanized steel wires twisted together.

Beginning at the bottom the first seven cables are 1¼ inches apart, the next three cables are 1½ inches apart, then six cables 2 inches apart, and all above that 4 inches apart. This gives a mesh of 1¼ x 3 inches at the bottom where it is needed for small chicks, and above two feet, where fowls can only reach when on the wing, the mesh is 3 x 4 inches.

On account of the picket being at right angles to the cables, this fence will fit any unevenness of the ground without cutting, which is an advantage not possessed by any diamond mesh netting or diagonal mesh fencing.

As all of the cables are of the same length and run the whole length of the fabric every part can be stretched perfectly. The fence is amply strong, as the breaking strain of a No. 20 two-wire cable is 192 pounds, and there are ten cables in the first foot of fence.

Because of its strength and construction this fence requires no top or bottom rail.

NET RETAIL PRICE LIST.

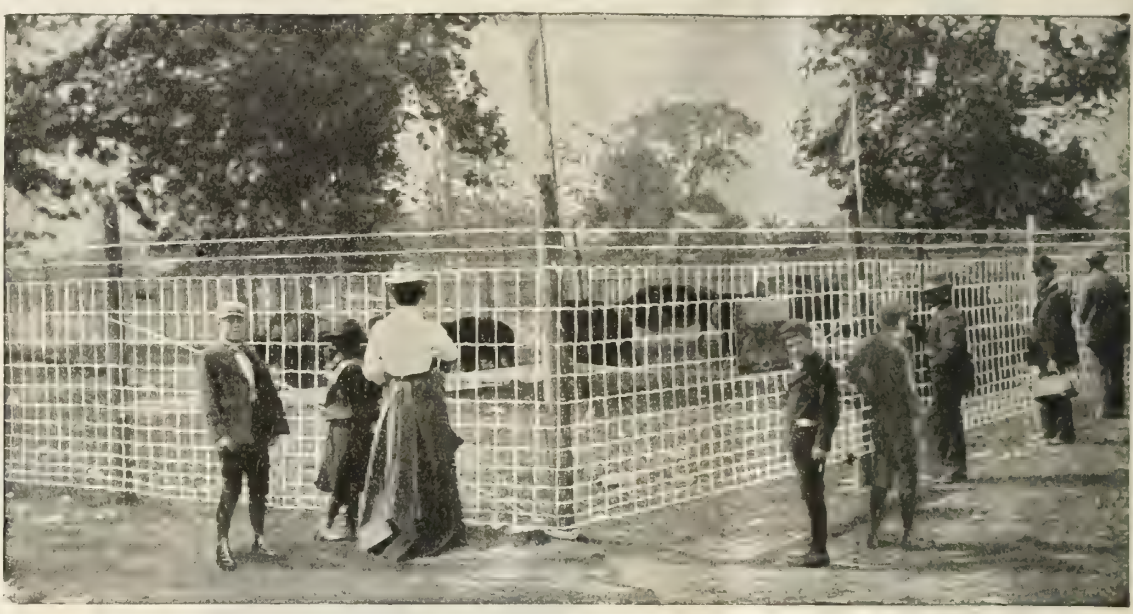
10 Rod Rolls (165 feet).

24 in. wide..$2.80 36 in. wide..$3.50 48 in. wide..$4.00
60 in. wide..$4.75 72 in. wide..$5.40

AMERICAN FIELD AND HOG FENCES.

MADE OF GALVANIZED WOVEN STEEL WIRE.

THIS is the strongest and most durable made fence on the market and *should take the place* of every rod of barb wire. It makes a far more durable fence than barb wire, and does not injure the stock. It is harmless, and will stop cattle, horses, sheep, dogs and pigs. It makes practically an everlasting fence if properly put up.



Construction. The main structural features are: Large and strong wires throughout; top and bottom bars No. 9 galvanized wire; intermediate bars No. 11 galvanized wire; stays No. 12 galvanized wire; stays 12 or 6 inches apart, as desired; Hinge Joints at every intersection of stay and bar; Tension Curve at every intersection of stay and bar and at proper intervals between stays.

It is made in a large number of styles, but we carry in stock those listed below, as we have found them to be the most practical, but we can furnish any style. Our prices are net, and have been figured at a very liberal discount from the manufacturer's list, as we placed our order in the fall for a large quantity and in that way got the very lowest price.

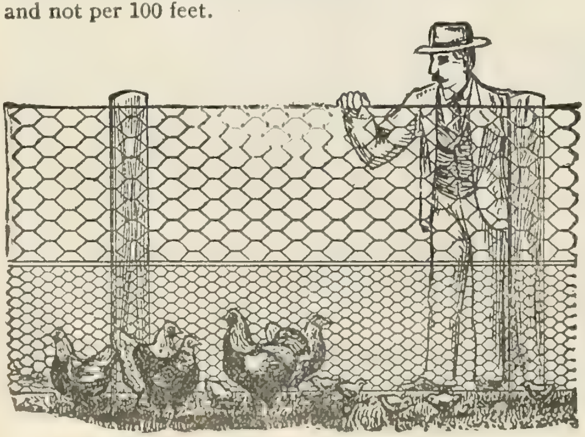
STYLES AND SIZES IN STOCK

	In Height.	Upright.	Net Retail Price per Rod.		In Height.	Upright.	Net Retail Price per Rod.
No. 9.	49 in.	12 in.	37 cts.	No. 9.	34 in.	6 in.	43 cts.
No. 9.	49 in.	6 in.	45 cts.	No. 6.	35 in.	12 in.	26 cts.
No. 8.	45 in.	12 in.	33 cts.	No. 6.	35 in.	6 in.	34 cts.

We can furnish it in either 10 or 20 Rod Rolls, but do not cut it.

Galvanized Special Twist Poultry Netting.

A Very Popular Fence for poultry yards, or for any purpose, where a heavy stock fence is not required. This fence is woven and afterwards galvanized, which makes it very durable. We can furnish it in all widths, from one to six feet, and in one and two-inch mesh. We handle this in very large quantities, and are, therefore, in position to make very low prices, as you will see below. Parties wanting five or more rolls will do well to write us for special prices. **Please take notice** that the prices quoted are for rolls of 150 feet in length and not per 100 feet.



Price Per Roll of 150 Running Feet.

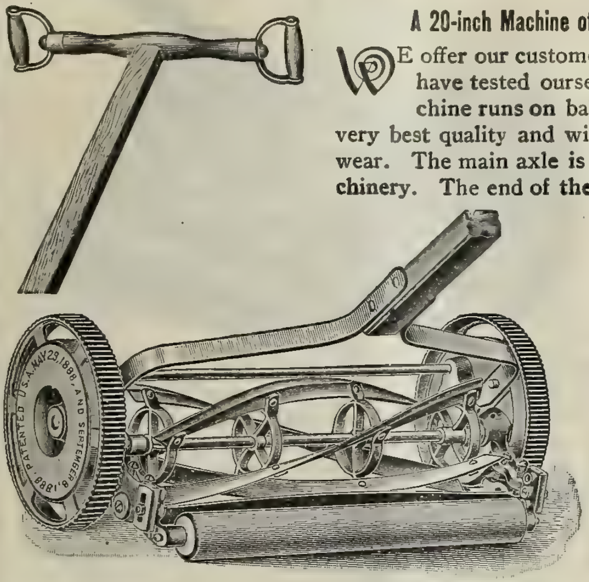
1	ft.	No. 19 Wire,	2 in.	Mesh, $	.75	1	ft.	No. 20 Wire,	2 in.	Mesh, $	.70
1½	"	"	"	"	1.15	1½	"	"	"	"	1.05
2	"	"	"	"	1.50	2	"	"	"	"	1.40
2½	"	"	"	"	1.90	2½	"	"	"	"	1.75
3	"	"	"	"	2.25	3	"	"	"	"	2.10
4	"	"	"	"	3.00	4	"	"	"	"	2.80
5	"	"	"	"	3.75	5	"	"	"	"	3.50
6	"	"	"	"	4.50	6	"	"	"	"	4.20
1	"	"	1 in.	"	2.00	1	"	"	1 in.	"	1.65
1½	"	"	"	"	3.00	1½	"	"	"	"	2.50
2	"	"	"	"	4.00	2	"	"	"	"	3.30
2½	"	"	"	"	5.00	2½	"	"	"	"	4.15
3	"	"	"	"	6.00	3	"	"	"	"	5.00
4	"	"	"	"	8.00	4	"	"	"	"	6.60
5	"	"	"	"	10.00	5	"	"	"	"	8.25
6	"	"	"	"	12.00	6	"	"	"	"	10.00

We do not have 4, 5 and 6 feet 1 inch, 19 and 20-inch in stock.

* LAWN GOODS OF ALL KINDS *

THE KNOLLWOOD BALL BEARING HIGH WHEEL SPADE HANDLE LAWN MOWER.

A MACHINE THAT POSSESSES ALL THE GOOD QUALITIES OF OTHER STYLES.

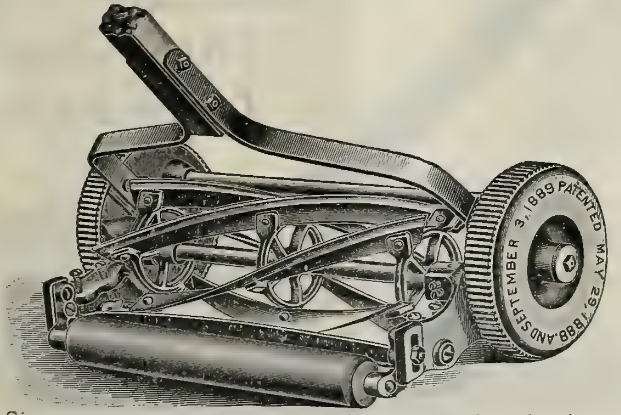

PATENTED U.S.A. MAY 29, 1888, AND SEPTEMBER 3, 1889

A 20-inch Machine of this make runs as easy as a 12-inch of the old style, and a Handle made to fit your hands.

WE offer our customers this machine not as an experiment, but as a guaranteed article, one that we have tested ourselves during the past season, and know what we are talking about. This machine runs on ball bearings (and all first-class machines ought to). The balls used are of the very best quality and will last for years. They are enclosed in steel cups, which protect them from wear. The main axle is steel and lathe fitted and is adjusted as nice as any high priced piece of machinery. The end of the axle where it comes in contact with the balls is cone-shaped, and any possible wear can be easily taken up. The machine has a nine-inch wheel, four knives of the best quality of steel and, last but not least, **a handle that is made to fit your hand.** (See the spade handle in cut.) After giving you the best mower it is possible for us to get, we have put on to it a handle we have all been looking for. With this Spade Handle the operator has perfect control over the machine and can handle it perfectly on a side hill or on narrow borders. We shall make this our leading machine, and therefore shall offer it at a popular price, which is within the reach of all. We guarantee to take back every machine that is not satisfactory, after a fair trial. While this machine is the best one on the market for private homes, it is especially adapted for parks, cemeteries and large lawns, and to that class of buyers we will make special prices in quantities.

14-inch	**$6.85**	**18-inch**	**$7.35**
16-inch	**7.10**	**20-inch**	**7.60**

The Royal Golf Mower.

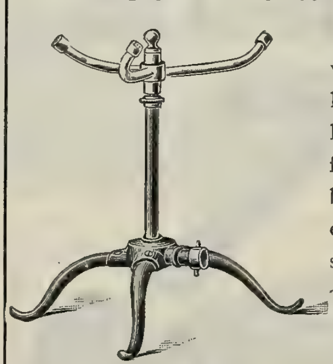


Since golf was introduced into this country, there has been a great demand for a mower that will cut grass close and even and one that will run easily and be durable. It was this machine that made the English golf grounds famous, and as the machine has been thoroughly tested on some of the largest golf links in the world, we offer it to our customers with perfect confidence. It has five revolving knives running at high speed and cuts very close to the ground. If you are desirous of obtaining a really high class Mower at a reasonable price, which will give you every satisfaction, then buy the Royal. The Revolving Cutters, five in number, as well as the Stationary Knife, are made of best hardened steel, and will retain their cutting edges for an extremely long time, as they are practically self-sharpening if the revolving knives are allowed to touch the stationary knife slightly, but not so close as to prevent working. This Lawn Mower is so arranged that a Grass Box can be attached. All parts are interchangeable.

PRICES, TWO SIZES ONLY.

16 in.	$7.00.	18 in.	$7.50.

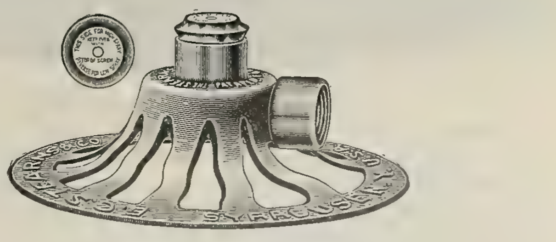
The Columbia Revolving Lawn Sprinkler



This is one of the most durable as well as one of the best Lawn Sprinklers on the market. The base is heavy cast iron, which prevents it from tipping over, and the legs may be unscrewed and the arms removed, and all come packed in a very small box. This is a first-class article at a low price.

Price, $1.00.

The Stearns Reversible Lawn Sprinkler

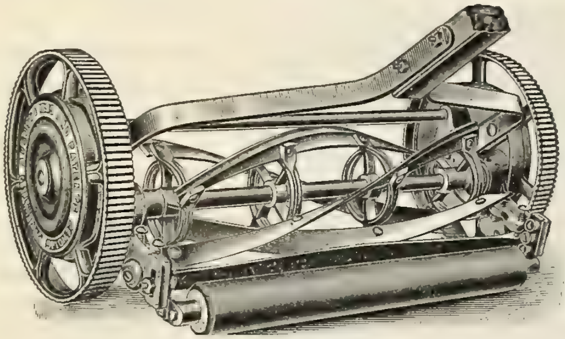


This Sprinkler is suitable for use with either high or low pressure. The cap is reversible, and can be adjusted for high or low pressure, and as there are no small holes, it never becomes clogged.

Price, 75 cts.

The Cycle Mower.

High Wheel. = Ball Bearings.

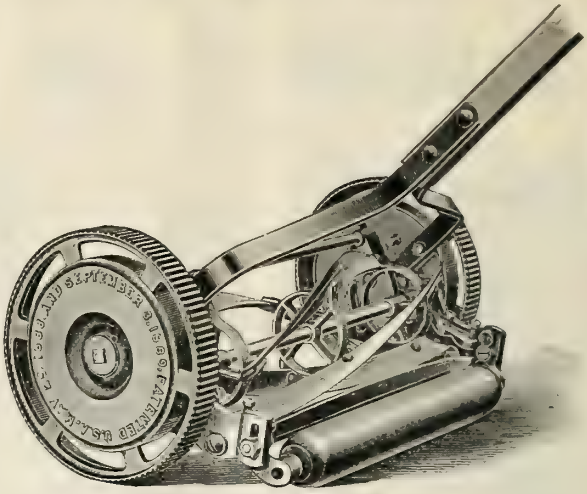


This machine, as its name implies, is built like a cycle. The ball-bearings are the best it is possible to make. It has four knives, a 10-inch open wheel, which makes it light but very strong and durable. This is our *next best machine*, and equals in every way the *Knollwood* excepting the handle.

14 inch....$7.00. 16 inch....$8.00. 18 inch....$9.00.
20 inch........$10.00.

Rossmoyne Lawn Mower.

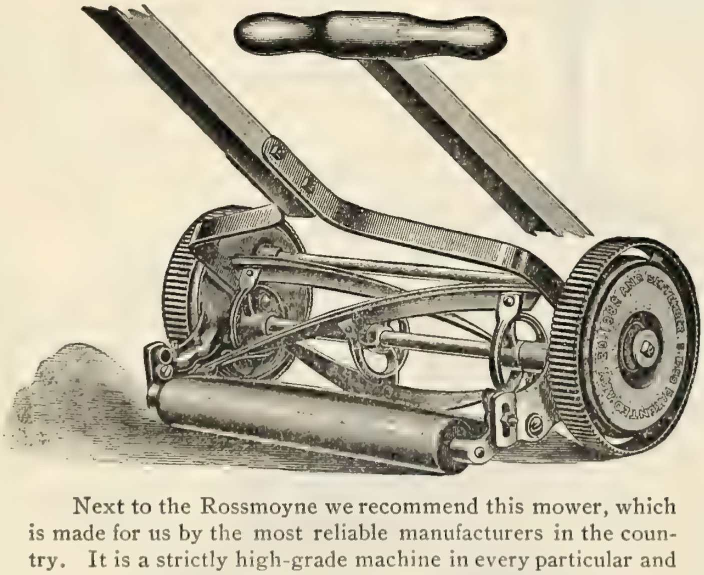
Style 6.



This machine has four knives, high wheels, and is of same grade as the Charley Ross, with the extra knife and high wheel. It runs on ball-bearings of the same quality as those used on other machines. It is a first-class, medium-price mower. All the parts are fitted on a lathe, and we warrant every machine we sell. For a medium-price machine, you will make no mistake in buying this one.

12 inch....$5.00. 14 inch....$5.25. 16 inch....$5.50.
18 inch....$5.75. 20 inch....$6.00.

The Charley Ross Lawn Mower.

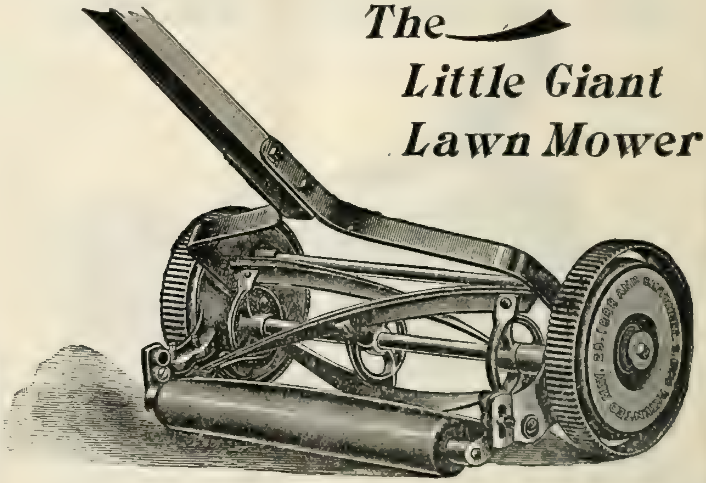


Next to the Rossmoyne we recommend this mower, which is made for us by the most reliable manufacturers in the country. It is a strictly high-grade machine in every particular and the extra rim on the wheel makes it nearly equal to our Rossmoyne high wheel. If you are looking for a three-knife machine at a medium price try this one. 8 in. wheel.

This machine has Ball-Bearings and Three Knives.

12 inch....$4.50. 14 inch....$4.75. 16 inch....$5.00.
18 inch....$5.25. 20 inch....$5.50.

The Little Giant Lawn Mower



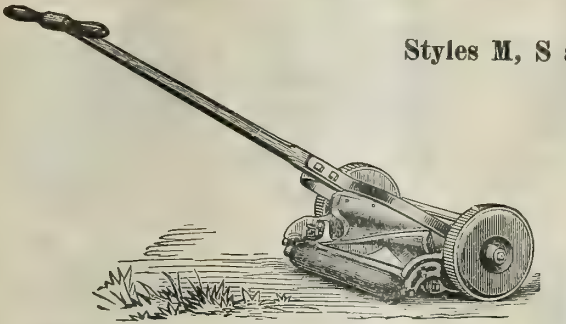
For the benefit of those who want a low-priced mower or those who have but a small amount of grass to cut, we offer this machine, and we think we are safe when we state that it is as good as one-half of the mowers sold as a high-grade machine, and, being a light-running mower, is preferred by many to the higher grade styles. We warrant every machine and have never had to replace one. 8 in. wheel.

—NET PRICES.—

12 inch..$2.75. 14 inch..$3.00. 16 inch..$3.25. 18 inch..$3.50.

All the machines shown on this page have the Flexible Lower Knife and may be adjusted by a child.

The Philadelphia Lawn Mower.



Styles M, S and A.

We still handle the old Philadelphia Mower, and can furnish any style or size; also repairs for same.

STYLE M. Solid Wiper. 7-inch Wheel.

List price, 14 inch	$17.00	Net price	$6.00
List price, 16 inch	19.00	Net price	6.50
List price, 18 inch	21.00	Net price	7.00

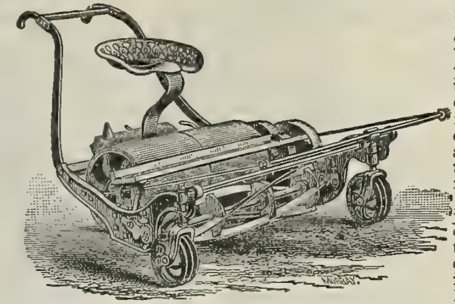
STYLE S. 4-Knife. Open Wiper. 7-inch Wheel.

Width of cut, 14 in.	Weight, 33 lbs.	List price	$17.00	Net price	$6.50
Width of cut, 16 in.	Weight, 34 lbs.	List price	19.00	Net price	7.00
Width of cut, 18 in.	Weight, 36 lbs.	List price	21.00	Net price	7.50
Width of cut, 20 in.	Weight, 40 lbs.	List price	23.00	Net price	8.00

STYLE A. 4-Knife. Open Wiper. 10-inch Drive Wheel.

Width of cut, 15 in.	Weight, 39 lbs.	List price	$25.00	Net price	$10.00
Width of cut, 17 in.	Weight, 42 lbs.	List price	28.00	Net price	11.00
Width of cut, 19 in.	Weight, 44 lbs.	List price	32.00	Net price	12.00
Width of cut, 21 in.	Weight, 46 lbs.	List price	34.00	Net price	13.00

New Excelsior Horse Lawn Mower.



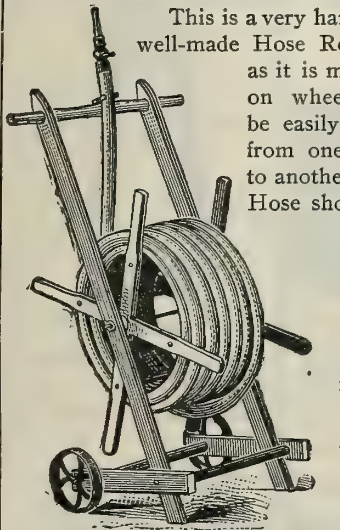
It is quite essential to those having extensive lawns who desire to keep them in fine order that the grass should be evenly cut in order to produce a beautiful appearance. The New Excelsior Horse Lawn Mower is especially built for this purpose, and the numerous testimonials received from all parts of this and foreign countries justify us in claiming for this machine that it is the best Horse Lawn Mower on the market. We furnish the Mower with side-draught attachment that permits the horse to walk only on the cut grass. We use the sectional caster wheels which do not roll down the standing grass nor leave unsightly marks upon the lawn. For many years the Excelsior Lawn Mower has been in use on the public parks in large cities, on college lawns throughout the country, at military posts and on extensive private parks in this and foreign countries, and have uniformly given entire satisfaction. We fully guarantee them in every particular.

The Horse Lawn Mower is made in Four Styles, viz.:

25-inch cut, without Seat or Shafts,	$ 65.00
30-inch cut, with Seat and Shafts,	110.00
35-inch cut, with Seat and Shafts,	135.00
40-inch cut, with Seat and Shafts,	170.00

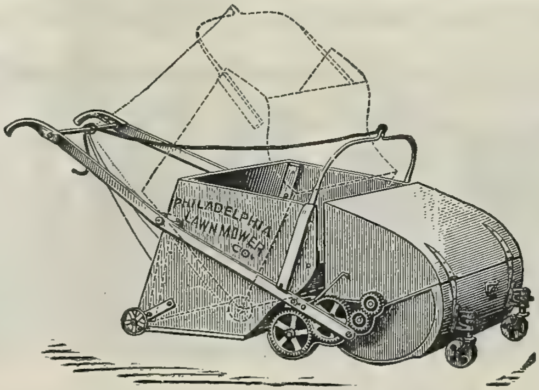
☞Please note that no seat can be used on the 25-inch cut Mower, but shafts and side-draught attachment can be furnished when specially ordered. Full directions for setting up accompany each mower. WRITE FOR DISCOUNT.

The Eclipse Hose Reel.



This is a very handy and well-made Hose Reel and as it is mounted on wheels can be easily moved from one place to another. Hose should always be wound on a reel as it prevents it from rotting.

Price, 75 Cts.

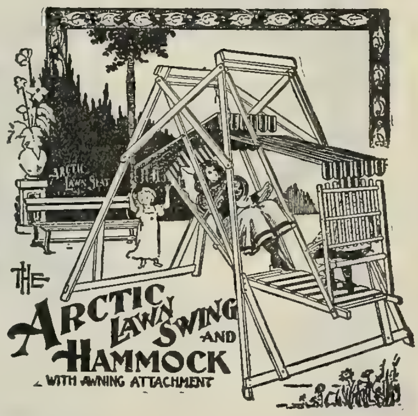

PHILADELPHIA LAWN MOWER CO.

The Philadelphia Lawn Sweeper.

This sweeper is designed for use on large estates and parks. It requires a horse to operate it, and no Horse Lawn Mower should be used without the sweeper follows it. Furnished as shown in cut; also draught rod.

List price, 40 inch, $70.00.

Arctic Lawn Swing.

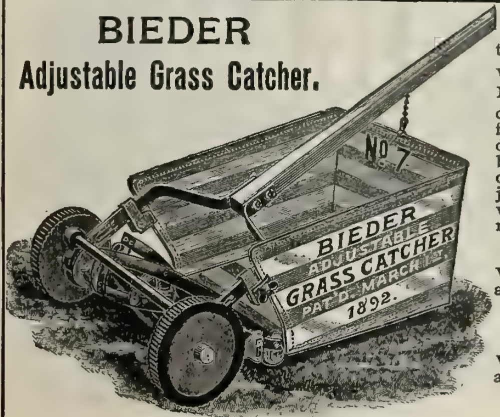


The Arctic Lawn Swing and Hammock with or without Awning.

As a swing this affords a most comfortable lounging place you can think of. The backs of the chairs are adjustable and can be set up straight or inclined at as great an angle as you wish.

Price, with Awning,	**$6.50**
Price, without Awning,	**5.50**

BIEDER
Adjustable Grass Catcher.



Gathers grass without the use of a rake, and without time or labor. Made of bright striped canvas on a galvanized frame. They are made deep, to prevent grass being thrown over sides or rear. They are adjustable in height and width, to fit all sizes and makes of mowers.

No. 7. Fits all Low Wheel Mowers, 18 in. and smaller.

Price, 75 cents.

No. 13. Fits all High Wheel Mowers, 24 in. and smaller.

Net Price, $1.00.

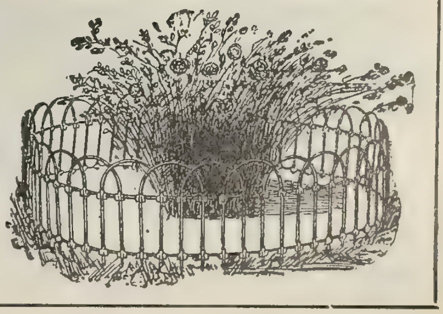
Flower Bed Guards.

All made up ready to use. The only guard of its kind. Can be shaped to any bed. Keeps out cats and dogs. Ends of wickets are forced in the ground, making it rigid. The handsomest and most durable guard made. Also used for Corners of Lawns and Cemetery Lots.

Heights, 16 and 22 inches.

16 in., 15 cents per running foot.

22 in., 20 cents per running foot.



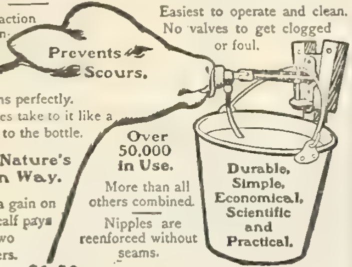
COMMON SENSE Calf Feeder

Gold Medal Pan-American Exp.

Satisfaction guaranteed.

The only feeder adopted by Experiment Stations.

Easiest to operate and clean. No valves to get clogged or foul.



Weans perfectly. Calves take to it like a baby to the bottle.

It's Nature's Own Way.

Extra gain on one calf pays for two feeders.

Over 50,000 in Use.

More than all others combined.

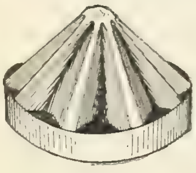
Nipples are reenforced without seams.

Durable, Simple, Economical, Scientific and Practical.

Price $1.50.

Our Cow's Relief is guaranteed to cure caked bag in 12 to 24 hours. Heals chapped or cracked teats, sores, scratches, etc. Sample box by mail for 50 cts. **"22 Valid Reasons Why You Should Use a Feeder,"** free.

O. H. MFG. CO., DEPT. LYNDON, VT.



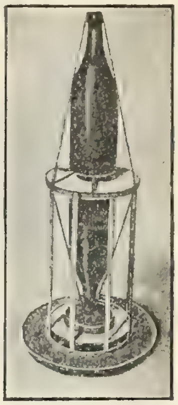
Patented April 8, 1902.

Lathrop's Chick Feed and Water Device.

Operates Grain, Water and Soft Feed Keeps it clean until all is consumed.

25c. each. $2.50 doz.

LATHROP'S Poultry Fountain, Grit and Shell Feeder.



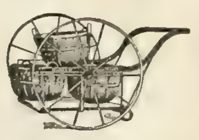
Pat. March 4, 1902.

Can be used for water or grain. Always clean and ready for use. You will like it when you see it. This is one of the best chick feeders for Wyandotte Feed.

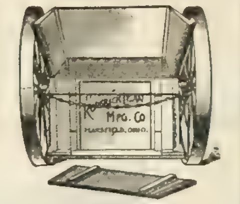
Price, only $1.00.

BUTLER STEEL HAND CART.

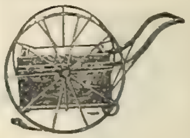
No. 1, $7.00. No. 3, $12.00. No. 2, $8.00.



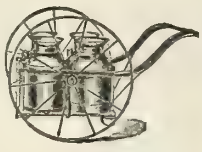
For the business man in every line this cart is indispensable. The platform hangs low; rides level.



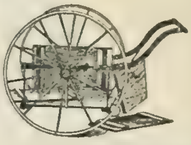
Sides and ends 12 inches high, extend upward and outward from the regular cart box, making a very useful rig for handling leaves, trash, grass, ensilage, etc. Capacity 21½ cubic feet, or about 14 bushels.



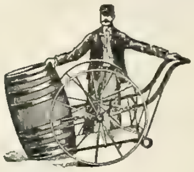
This can be used continuously around the farm, garden or house. Box 26 ins. long, 25 ins wide, 15 ins. deep inside. Capacity 11 cubic feet.



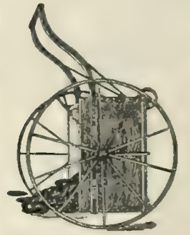
Will hold four milk cans and is in great demand in the creamery and dairy.



The side and end boards can be quickly detached. Easily loaded as a wheelbarrow.



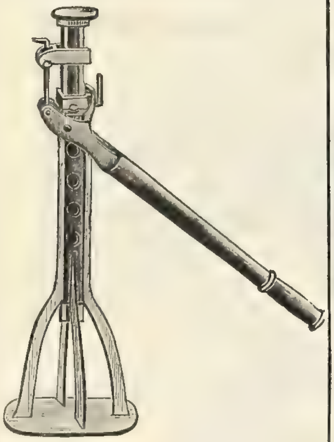
Tips forward and picks up a barrel or heavy article same as a warehouse truck. No heavy lifting.



Will turn clear over and dump load without shoveling.

FILLS the want for a 2-wheel hand truck better than all others combined. It is not merely suitable for one special purpose but for all. If you have use for a warehouse truck, the **BUTLER** fills that want. If you want a barrel cart, you have it in the **BUTLER**. While as a box cart for handling leaves, cut grass, trash, dirt, ashes, small grain, etc., it is your best friend. Merchants, printers, bakers, confectioners and hotels find it a great convenience for handling or delivering barrels, kegs, boxes, packages, etc. There is not a day around the farm, dairy, creamery, yard, garden or business house that it will not be in demand. It is light in weight, has great strength, and excels in general utility all other carts, and if numbers sold is any criterion of merit, this is unquestionably the cart of the future.

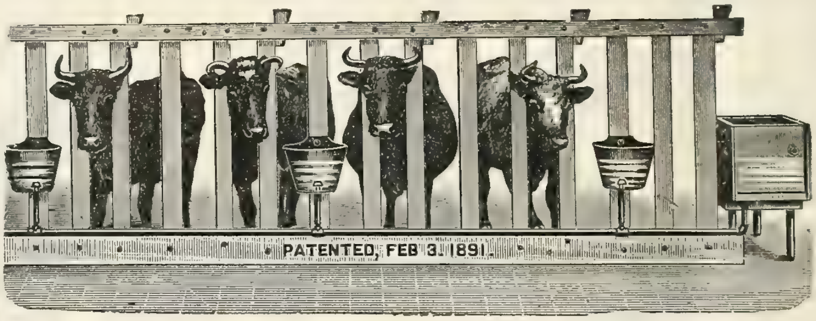
EUREKA WAGON JACK.



The best jack for light wagons and carriages made.

Price, $1.25.

Buckley's Patent Watering Device For Watering Stock In Stables.

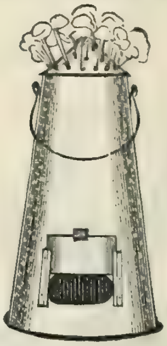

PATENTED, FEB 3. 1891.

WATER IN THE STABLE IS A NECESSITY.

It has come to be regarded as a matter of necessity for the proper caring of stock, while in the stable, that they should have constant access to the water of suitable temperature. The Buckley process shown above is the most practical method of having it.

Plain, each, $1.00; doz., $11.00. With valve, $1.25; doz., $14.00.

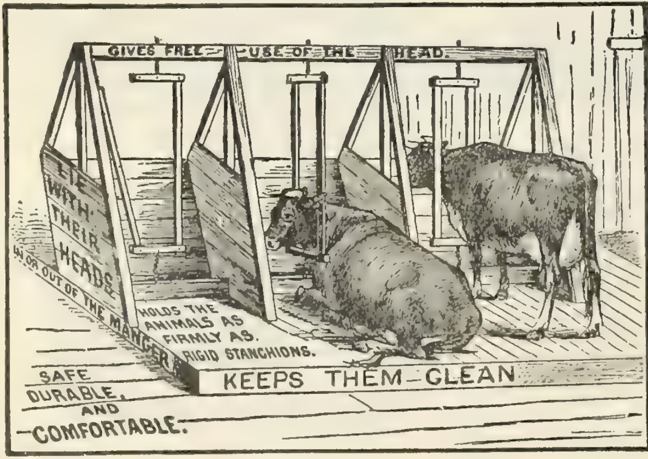
Eureka Fumigator.

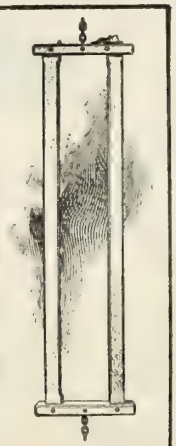


Dampen the tobacco stems when using.

No. 1 ½ peck,	$1.50
No. 2 "	2.00
No. 3 ½ bu.,	2.50
No. 4 ⅝ "	3.50

Warriner's Patent Chain Cattle Stanchions.

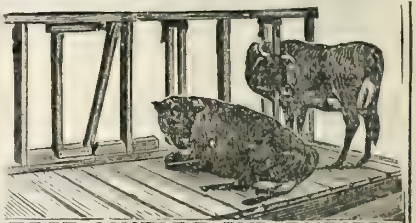

GIVES FREE USE OF THE HEAD.
LIE WITH THEIR HEADS IN OR OUT OF THE MANGER.
HOLDS THE ANIMALS AS FIRMLY AS RIGID STANCHIONS.
KEEPS THEM CLEAN
SAFE DURABLE, AND COMFORTABLE.



These Fasteners are in use in a large number of stables and give universal satisfaction. The cut shows the device; a short chain secures the fastener to the top beam so that it suspends 1½″ clear of the bottom sill. It is also fastened to the bottom sill by a chain to allow it a free and easy motion and rotation, giving the cattle freedom, yet be securely fastened. It keeps them clean and gives liberty of action.

Price, each, $1.25

Doz. lots, $1.15 each.

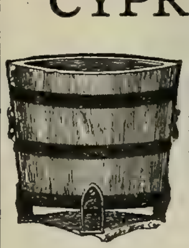

EASE, COMFORT AND THRIFT.

Smith's Patent Swing Cattle Stanchions.

Smith's Stanchion is more largely used than any other style and gives universal satisfaction. It is held in place by means of two turned hardwood pins, which allows the animals free use of their heads, yet it always keeps them clean.

Price, each, $1.25. Doz. lots, $1.15 each.

CYPRESS PLANT TUBS.



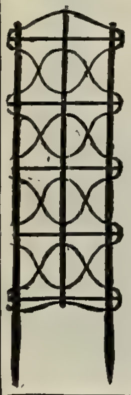
An excellent new tub, cheap, neat and durable. Made from ⅞-inch cypress, with iron handles and feet, three iron hoops, two coats of green paint.

No. 1.	13½ in. diam.,	11½ in. high.	Each $1.25
No. 2.	14 " "	13½ " "	" 1.50
No. 3.	16 " "	15½ " "	" 1.75
No. 4.	20 " "	18 " "	" 2.25
No. 5.	24 " "	20 " "	" 3.00
No. 6.	28 " "	22 " "	" 4.50

NURSERYMEN'S STAKES

16 in. x 2 in. Extra quality. No paint.

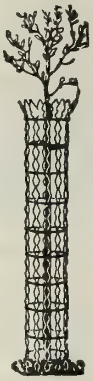
Each, 4 Cents. **Per 100, $2.50.**



VERANDA TRELLIS.

This is by far the most ornamental and substantial trellis made, being especially adapted to out-door use for high climbing shrubs and vines.

	Each.	Per Doz.
5 ft. 18 in. wide,	$ .75	$ 8.00
6 ft. "	.85	9.50
7 ft. "	1.00	11.50
8 ft. "	1.10	13.00
9 ft. 20 in. wide,	1.25	15.00
10 ft. "	1.60	18.00
11 ft. 24 in. wide,	1.80	21.00
12 ft. "	2.15	24.00



Wire Tree Guard.

Made of extra heavy wire.

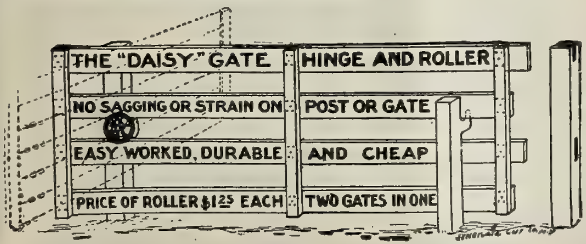
Each, $1.00.

PLANT STICKS

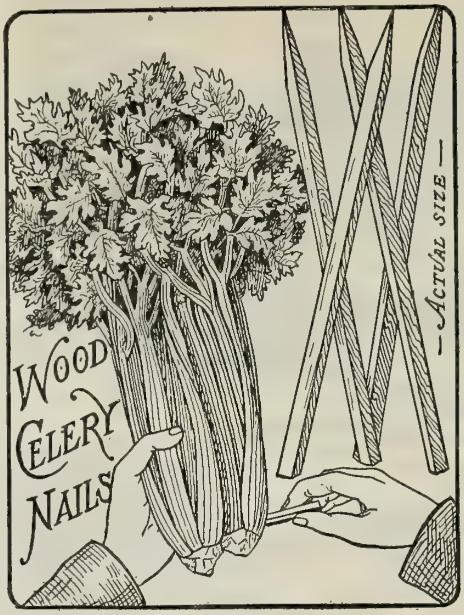
FOR POT OR GARDEN USE.

(Square, Painted Green.)

1½ feet Sticks,	Each, $	.02	$1.00 per hundred.
2 "	"	.02	1.50 "
2½ "	"	.03	2.00 "
3 "	"	.03	3.00 "
3½ "	"	.04	3.50 "
4 "	"	.04	4.00 "
5 "	"	.05	5.00 "
6 "	"	.07	7.00 "



Price, $1.25



GROWERS OF CELERY:

Here is something new and worthy of your attention.

A wooden pin or celery nail for bunching celery.

The growers of celery have found many difficulties in using iron or wire nails for bunching, for they do not hold in place, especially when the celery is being handled. They are always dropping out. Iron nails will also rust and discolor the celery.

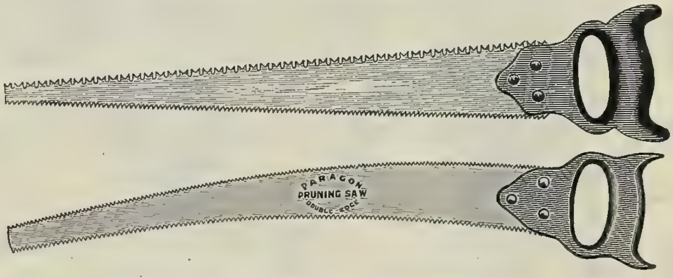
The wooden nail will never slip out until pulled out, and will never rust or discolor the celery.

They cost about 13c. per M., while nails cost about 30c. Put up in boxes containing 7500.

Price, $1.00 per Box.

12 boxes for $11.00. 1000 by mail, postpaid, for sample, 30c.

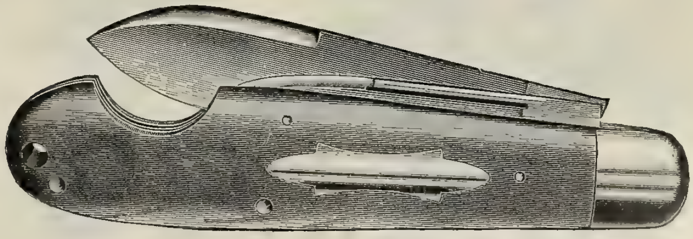
TWO EDGED CURVED BLADE PRUNING SAW.



The best hand pruning saw ever made, either pull or push.

Price, 16 in., 50c. 18 in., 60c. 16 in. straight, 50c. 18 in. straight, 60c. 18 in. one edge, 50c.

THE EASY OPENER POCKET KNIFE.



We offer in this knife something every farmer should have—an American made knife with hand forged blades of the best razor steel, tested and warranted. We have this knife made for us in large quantities, and are in position to sell it at a much lower price than we otherwise could.

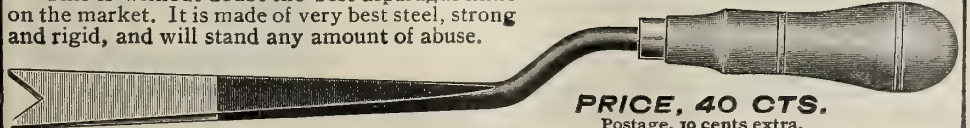
Price, postpaid, 55 cts.

By express with other goods, 50c.

Order one and see how good a knife it is. You can return it if you are not satisfied.

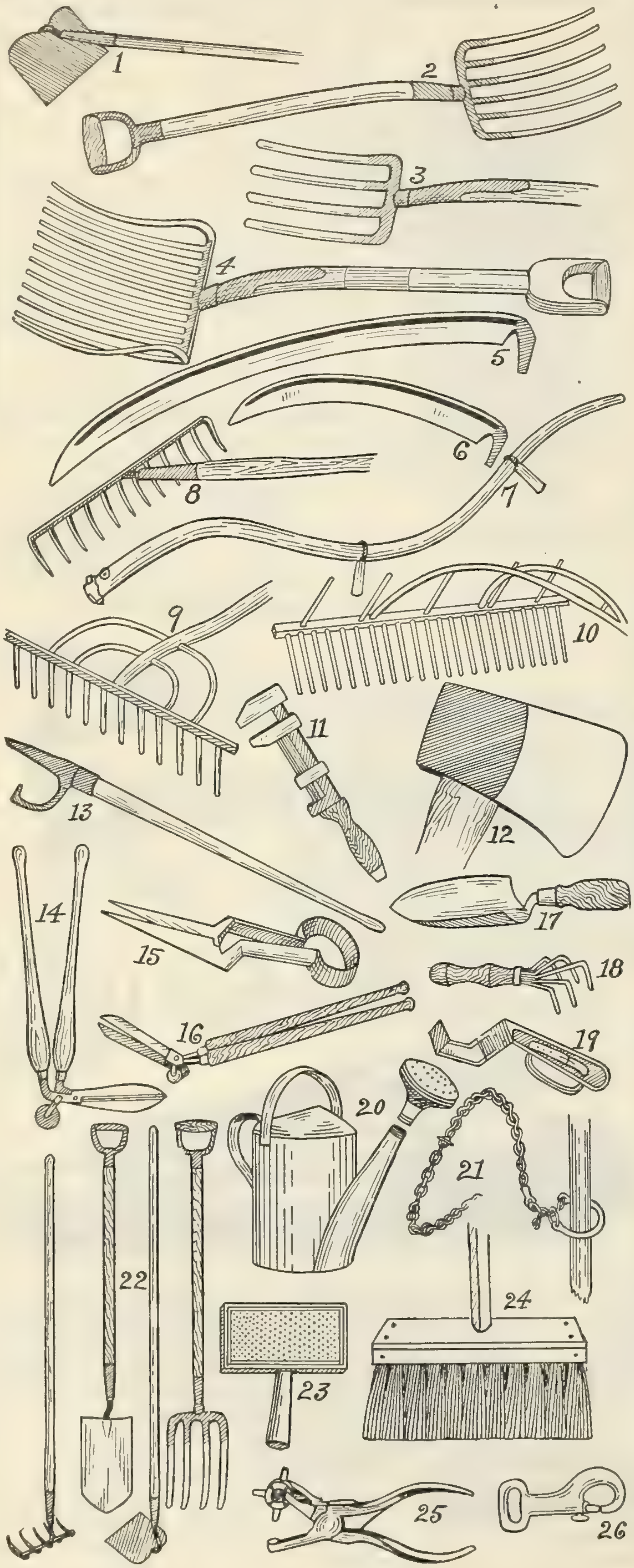
Goodale's Asparagus Knife.

This is without doubt the best asparagus knife on the market. It is made of very best steel, strong and rigid, and will stand any amount of abuse.



PRICE, 40 CTS.

Postage, 10 cents extra.



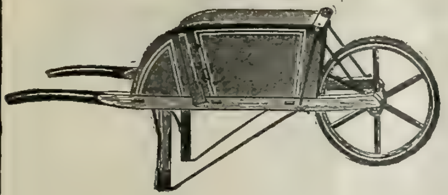
The following is a partial list of the large line of hand tools which we carry.

In ordering give name, number and size.

No. 1. Hoes.	Each.
7½–8 in. Field Socket	$ .40
7½–8 in. Field Shank	.35
8 in. Meadow Socket	.45
8½ in. " "	.45
9 in. " "	.45
9½ in. " "	.45
8 in. Meadow Shank	.40
8½ in. " "	.40
9 in. " "	.40
9½ in. " "	.40
9 in. R. I. Socket	.45
Ladies'	.30
Boys'	.35
Square Top Onion	.35
9 in. Mortar	.60
10 in. "	.65
No. 2. Manure Forks.	
4 Tine, Long Handle, Strapped	.65
4 Tine, Iron D Handle, Strapped	.70
5 Tine, Iron D Handle, Plain	.85
5 Tine, Wood D Handle, Plain	.95
5 Tine, Long Handle, Strapped	.85
5 Tine, Iron D Handle, Strapped	.90
5 Tine, Wood D Handle, Strapped	1.00
6 Tine, Iron D Handle, Plain	.95
6 Tine, Wood D Handle, Plain	1.05
6 Tine, Long Handle, Strapped	1.00
6 Tine, Iron D Handle, Strapped	1.00
6 Tine, Wood D Handle, Strapped	1.15
No. 3. Spading Forks.	
4 Tine, Iron D Handle, Plain	.65
4 Tine, Wood D Handle, Plain	.75
4 Tine, Iron D Handle, Strapped	.70
4 Tine, Wood D Handle, Strapped	.80
4 Tine, Long Handle, Strapped	.70
5 Tine, Iron D Handle, Strapped	1.00
5 Tine, Wood D Handle, Strapped	1.05
No. 4. Coke Fork.	
10 Tine, 1¼ in. between Tines	1.25
14 Tine, 1¼ in. between Tines	1.65
No. 5. Scythe.	
Clipper	.75
Foster, all steel	.90
Damascus steel	1.00

	Each.
No. 6. Bush Scythes	.75
No. 7. Scythe Snath, Ash	.75
Bush Snaths	.75
No. 8. Steel Rake.	
12 Tooth, iron, 25c.; steel	.45
14 " " 30c.; "	.50
16 " " 35c.; "	.55
No. 9. Rake.	
2 X, 3 Bow, Bent	.40
X, 3 Bow, Bent	.30
Lawn Rake, 24 Teeth, XX, 50c.; X,	.40
No. 10. Drag Rake	.75
No. 11. Wrench.	
8 in .25 10 in	.30
No. 12. Foster Axe	.75
Worcester Axe	.90
Black Jacket Axe	1.00
No. 13. Cant Hooks	1.25
No. 14. Lawn Shears.	2.75
No. 15. Grass Shears.	.25 and .50
No. 16, Lawn Shears.	3.00
No. 17. Garden Trowel.	
6 in., Steel	.20
No. 18. Secor Weeder,	.10
No. 19. Noyes Weeder,	.20
No. 20. Watering Pot.	
4 quart	.40
6 "	.45
8 "	.50
10 "	.55
12 "	.60
16 "	.65
No. 21. Cow Tie.	
3½ feet	.30
4 feet	.35
4½ feet	.40
No. 22. Garden Sets.	
1. 3 pieces	.10
2. 3 pieces	.15
3. 3 pieces	.25
4. 4 pieces	.50
No. 23. Cattle Card.	
No. 1, large leather, bound	.12
No. 2, large leather, not bound	.10
No. 3, small leather, bound	.10
No. 4, small leather, not bound	.08
No. 24. Rattan Bush Broom.	
5 row, 14 inches	.50
5 row, 16 inches	.55
6 row, 16 inches	.60
No. 25. Revolving Harness Punch.	
4 Tube	.50
5 Tube	.60
No. 26. Harness Snaps.	.03 to .08

Beekman Garden Barrow.

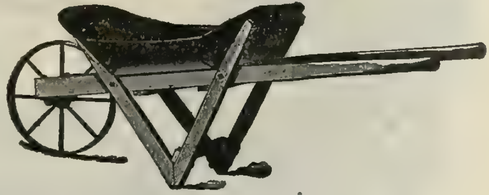


This barrow is made of hardwood but not all oak; it is well made, all parts being bolted or screwed. Our best seller.

PRICES.

No. 2.	Boys' Size,	$2.75
No. 4.	Medium Size, for garden,	3.00
No. 6.	Large Size, for farmers,	3.25

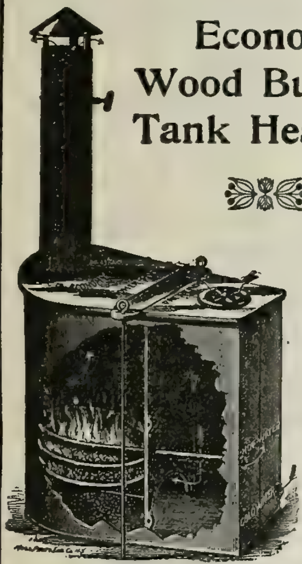
Klondyke Steel Tray Barrow.



This barrow is made similar to our Contractors' Favorite with the exception of the tray which is made of one piece of sheet steel about the size of a wood tray. Trays are painted one heavy coat of paint.

Price, each, $2.75

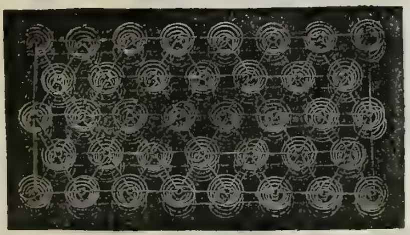
Economy Wood Burning Tank Heater.



This heater burns wood or cobs and is designed for out door use. Will heat a large tank of water in a very short time.

Price, $8.50

THE UNION SPRING STEEL WIRE CUSHION.



The best in the market for wagons, carriages, barges, etc. Made any size in length or width. Can be used either side up, and are hooked together so they cannot get out of order. They are placed on the seat and are used with only a thin cushion or a blanket on them, and in wet weather can be used alone.

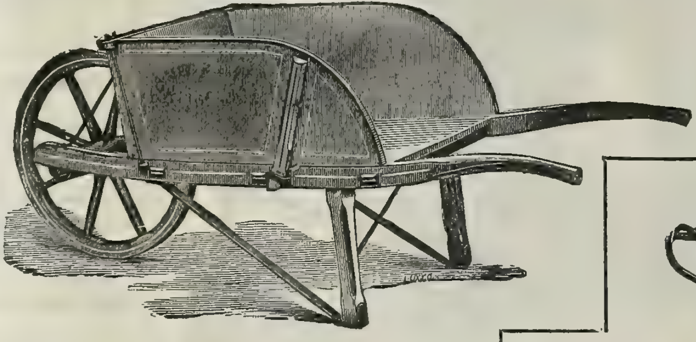
PRICES.

14-Inch, $1.25; 18-Inch, $1.50; 42-Inch, $3.00

Other Sizes Made to Order.

Lawn or Garden Wheelbarrow.

CUSTOM MADE.



This barrow we have made for us and is especially designed for our retail trade. It is made entirely of oak, is handsomely painted and varnished, and is put together with bolts and screws. Has a high wheel with eight spokes. It is an ornament to any garden. One size only.

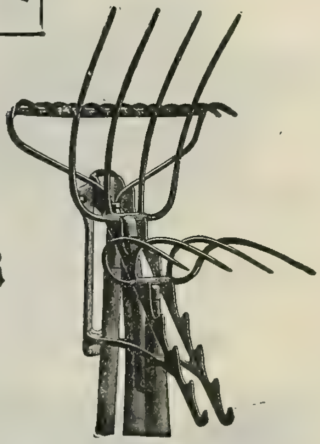
No. 4. Price, $4.00

HAGER TOOL RACK.

Designed for Store or Stable. Made in three styles for Shovels, Hoes or Forks. Combination Racks for stores can be used for all.

Price, each, 50 cents.

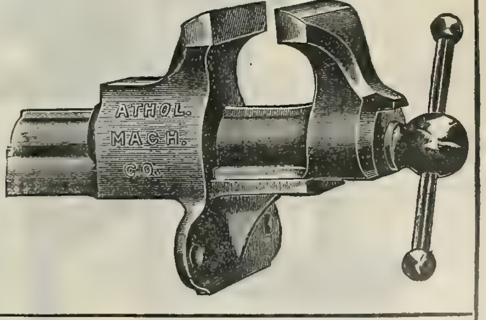
Dozen, $5.00.



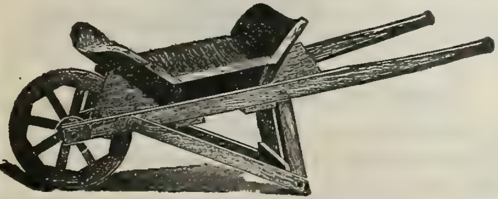
FARMERS' OVAL SLIDE VISES.

Made of best quality of stock with hardened steel jaws and proportioned for strength and durability.

	List Price.	Net Price.
No. 70, 2 in.	$1.75	$1.20
No. 71, 2½ in.	2.00	1.60
No. 72, 3 in.	2.40	2.10
No. 73, 3½ in.	3.00	2.75
No. 74, 4 in.	4.40	3.50
No. 75, 4½ in.	6.25	5.00

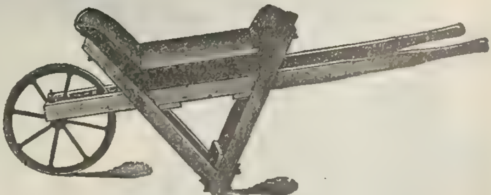


Common Bolted Dump Barrow.



This is a much better made barrow for the price than is usually sold. The legs and braces are bolted, has a good wood wheel with iron bound hub, and with the exception of our Contractors' Favorite is the best dump made. **Price, each, $1.60; per dozen, $18.00**

Dump, or Contractors' Barrow.

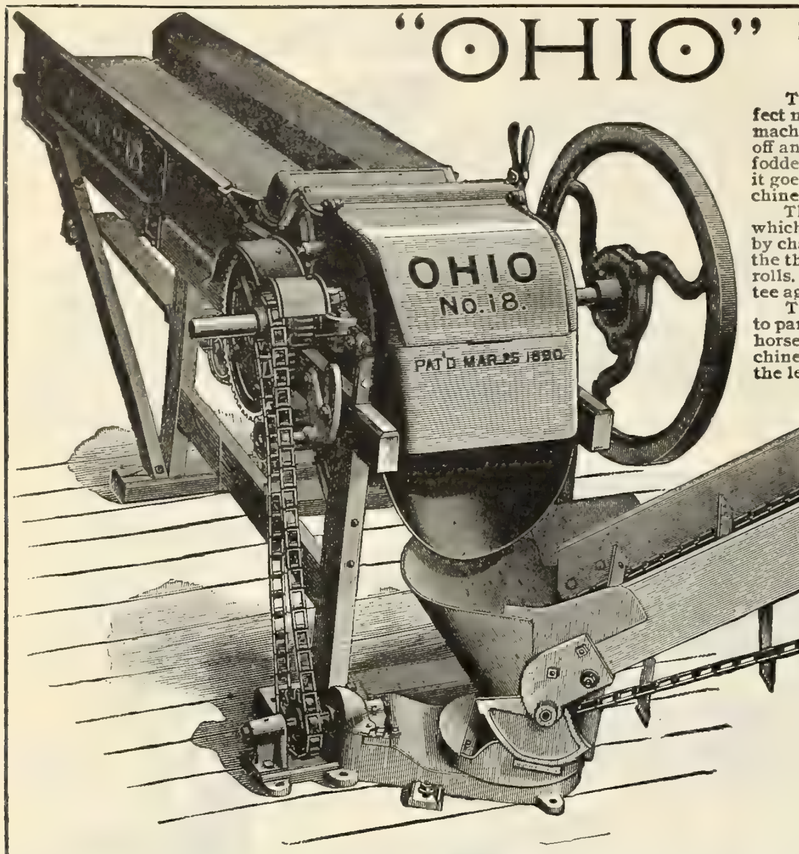


The Contractors' Favorite Dump Barrow is without doubt the strongest and most durable dump barrow on the market. Please notice the Iron Shoe, which is unlike any other barrow. The stock used is the very best, and it is bolted throughout. We can furnish either wood or steel wheel.

Price, each, Wood Wheel, $1.75, doz. $20.00; Steel Wheel, $2.00, doz. $23.00

"OHIO" SELF-FEED ENSILAGE CUTTER,

AND NEW METAL STRIP SWIVEL CARRIER.



This is the "Ohio" Ensilage cutter with travelling feed table. It is a perfect machine for cutting ensilage and dry feed. Cutting ensilage with this machine requires one man to throw off the wagon, one man to help throw off and attend to the machine. One or two men constantly pushing to get the fodder started is not necessary. The only point is to get it to the machine—it goes through itself. It will cut 33⅓ per cent. more than the regular machine and saves 75 per cent. of the feeder's time and labor.

The feed table is supplied with a continuous travelling chain or belt apron which converts the machine into a self-feeder. The travelling apron is driven by chain and sprocket wheels and is under control of the feeder by means of the throw-out lever located just in the rear of the lever that controls the feed rolls. The apron travels on five pairs of sprocket wheels, which is a guarantee against wear.

The throw-out levers are strong points of advantage, as it is well known to parties familiar in the use of such machines, that occasionally a pitchfork, horseshoe, or some other foreign substance mysteriously strays into the machine, and about the time it reaches the knives the feeder has only to catch the levers and throw the feed out.

SIZES AND PRICES.

No.	Number Knives.	Length Knives, Inches.	Lengths of cut, Inch.	Capacity Ensilage per Hour, Tons.	Power to Run Full Capacity, Horse Power.	Price.
13	4	13	¼, ½, ¾, 1	5 to 8	4 to 6	$ 95.00
16	4	16	¼, ½, ¾, 1	8 to 10	6 to 8	120.00
18	4	18	¼, ½, ¾, 1	10 to 13	6 to 10	155.00
20	4	20	¼, ½, ¾, 1	15 to 20	8 to 12	250.00
24	4	24	¼, ½, ¾, 1	20 to 25	10 to 12	300.00

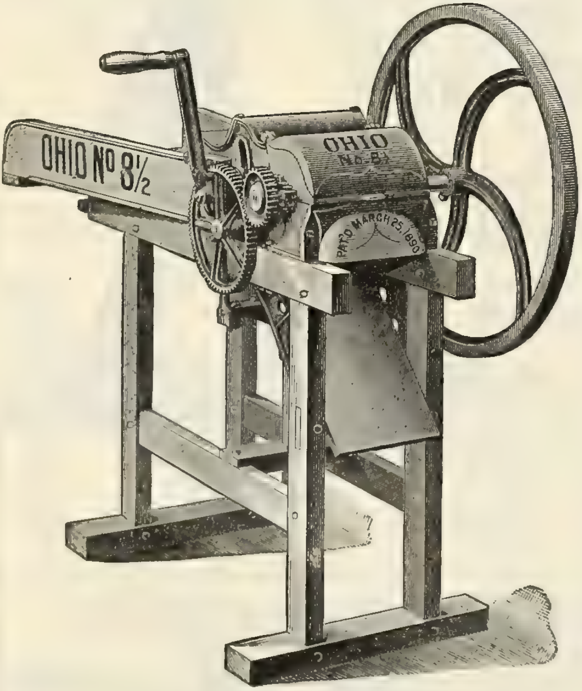
NEW METAL-STRIP SWIVEL CARRIERS.

SIZES AND PRICES.

For			
No. 13 Cutter, 12 ft. long,	$45.00	Over 12 ft. long, extra per ft.,	$1.70
No. 16 Cutter, 12 ft. long,	45.00	Over 12 ft. long, extra per ft.,	1.70
No. 18 Cutter, 12 ft. long,	45.00	Over 12 ft. long, extra per ft.,	1.70

We also carry in stock the No. 11 and No. 13 Cutters with Standard table. These are both Power Cutters and are equal in every way to the above only they do not have the travelling table but list at a much lower price.

No. 11 Cutter, 4 knife.	List,	**$45.00**
No. 13 Cutter, 4 knife.	List,	**65.00**



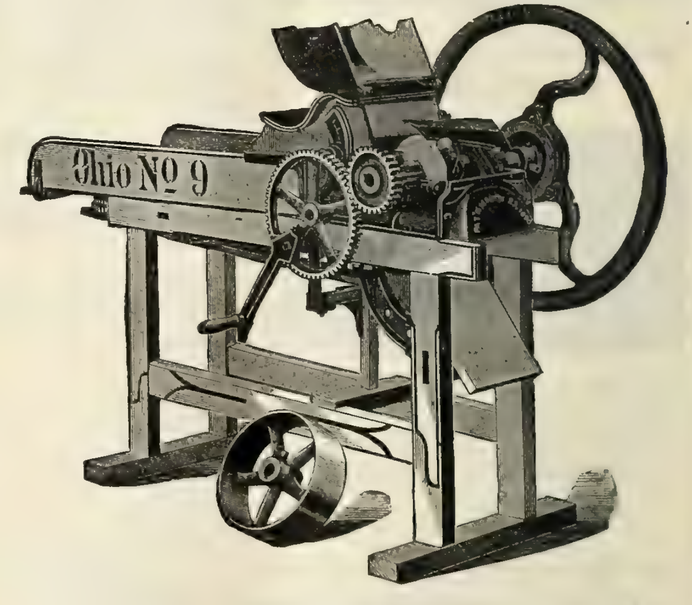
THIS is one of the best Hand Cutters and is designed for those without power. It can be changed to cut different lengths and will answer for cutting for stock and poultry.

Nos. 8½ and 10½ HAND POWER CUTTER.

SIZES AND PRICES.

No.	Length of Knives, Inches	Number of Knives	Lengths of Cut, Inches			Price
8½	8½	1	½,	¾,	1½	$18.00
8½	8½	2	¼,	⅜,	¾	20.00
10½	10½	1	½,	¾,	1½	23.00
10½	10½	2	¼,	⅜,	¾	25 00

Discount, 33 1-3 per cent.



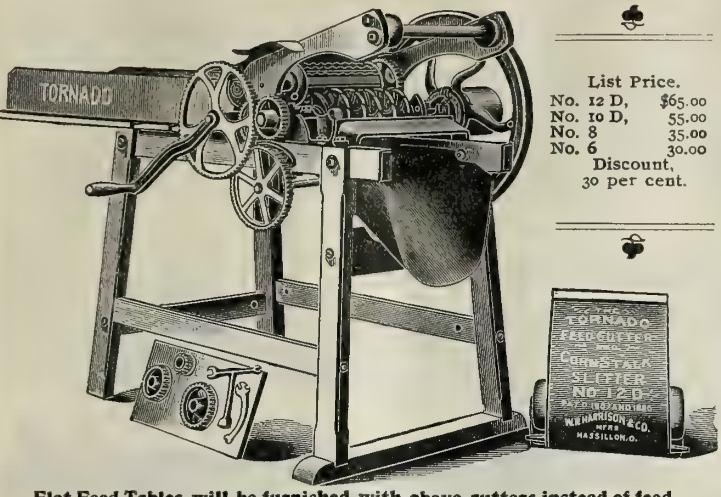
No. 9 HAND OR POWER CUTTER.

THIS is a medium size cutter adapted for farmers having a large herd to cut food for and can be run by hand to good advantage when for any reason they do not want to get up steam. It is our best seller for hand work.

SIZES AND PRICES.

No. 9.	With safety fly wheel and pulley, two knives..................	$35. 00
No. 9.	With safety fly wheel and pulley, four knives..................	40.00
	When furnished with extended knife shaft to place fly wheel or pulley on either side, extra, list..................	2.00

Discount, 33 1-3 per cent.



List Price.

No. 12 D,	$65.00
No. 10 D,	55.00
No. 8	35.00
No. 6	30.00

Discount,
30 per cent.

Flat Feed Tables will be furnished with above cutters instead of feed troughs when so ordered.

CORN FODDER.

Its Value, and How to Handle and Feed It to the Best Advantage and Greatest Profit to the Farmer.

CORN FODDER is taking such a prominent place among rough feeds that the greatest effort should be put forth in trying to discover and bring into general use the best modes of handling and the most economical methods of feeding it. Until within a few years past but little attention was paid to this matter, but since the hay crop has become so uncertain almost every farmer has learned that it is one of the best rough feeds for horses, cattle and sheep. It has been accurately determined by experimenters that the food value of and acre of Corn Fodder, properly taken care of and utilized, is as great as an acre of hay.

The VALUE of the Corn Fodder is not in the blades nor in the husks, BUT IN THE STALK, as has been proven by so many of our farmers and by our different State experimental stations. It is, therefore, necessary to use some kind of a shredder that will not only cut but split the stalk at the same time. This the TORNADO CUTTER will do.

Improved Nos. 10 C and 12 D Combined Hand and Power Cutters.

These machines, as here shown, are built for both Hand and Power use, are of medium size, rapid sellers, and adapted to ordinery farm or dairy use. Both are arranged to cut ½, ¾, 1 and 1¼ inches, and when run by power should be given a speed of 1,000 to 1,200 revolutions of the cutting cylinder per minute, and in no instance when power is used should the speed fall below 1,000. Nos. 12 and 10 are for Power. Nos. 6 and 8 for hand use.

Gale-Baldwin Ensilage and Feed Cutter.

Length of Knives in inches same as Number of Machine.
Each Size made with TWO KNIVES.

In the construction of this machine are found all the good features of the Improved Baldwin Feed and Ensilage Cutter, which have made that well-known machine so popular. The Gale-Baldwin is a strong feeder, and cuts with great ease and rapidity. The Beecher's Patent Rotary Cutter Head is used exclusively on this machine, and its long use on the power Baldwin machine has proved its superiority over all other devices for ease of adjusting the knives and durability.

DESCRIPTION OF SIZES.

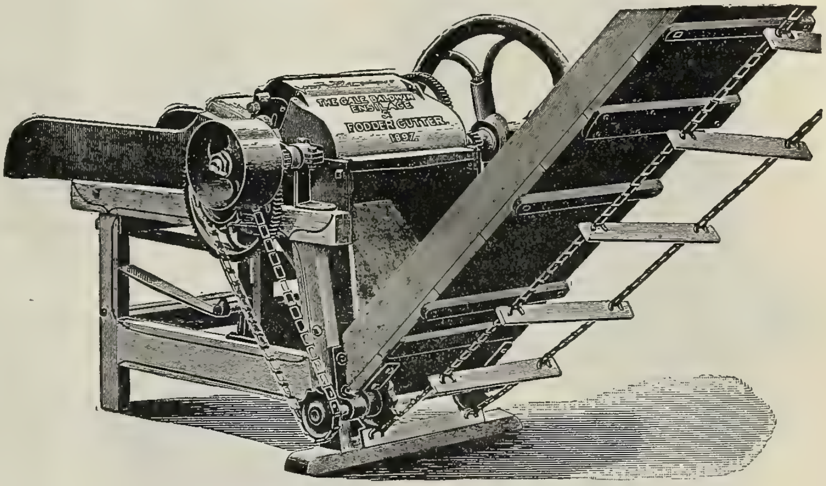
No. 16.—Capacity for ensilage, 2½ to 5 tons per hour. Power required, one to two-horse engine. Speed, 500 to 600 revolutions per minute. Cut, ¼, ½, ¾ or 1 inch. Pulleys and wheels interchangeable.

Price of Cutter without Carrier	**$60.00**
Straight Delivery Carrier, 12 feet long or under	**24.00**
Angle Delivery Carrier, 12 feet long or under, with New Spout Carrier	**32.00**
Over 12 feet, extra per foot	**1.50**
Safety Treadle Lever	**5.00**

No. 18.—Capacity for ensilage, 50 to 100 tons per day. Power required, two-horse engine. Speed, 500 to 600 revolutions per minute. Cuts 3/8, 3/8, ¾ or 1 inch. Gear also furnished to cut ½ inch if ordered.

Price of Cutter	**$100.00**
Straight Delivery Carrier, 12 feet long or under	**24.00**
Angle Delivery Carrier, 12 feet long or under, with New Spout Carrier	**32.00**
Over 12 feet, extra per foot	**1.50**
Safety Treadle Lever	**5.00**

No. 22 is a very large and heavy cutter, of great capacity. Power required, five to ten-horse engine. Length of cut same as No. 18. Price of machine, **$150.00**. Straight Delivery Carrier, 12 ft. long or under, **$30.00**. Over 12 ft., per foot, **$2.00**. Safety Treadle Lever, **$6.00**.

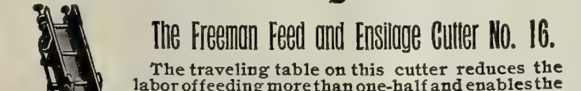

THE GALE BALDWIN ENSILAGE & FODDER CUTTER 1897

Discount on Cutters, 30 Per cent. On Carriers, 20 Per cent.

Freeman Ensilage Cutters

The Freeman Feed and Ensilage Cutter No. 16.

The traveling table on this cutter reduces the labor of feeding more than one-half and enables the operator to feed the machine to its full capacity.



We can furnish 13, 16, 20 or 24 Inch Cutter with Traveling Table.

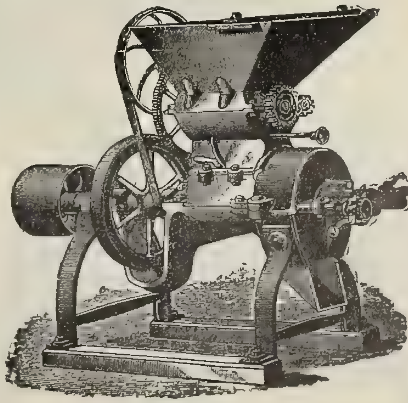
This cutter is fitted with four knives, each 16 inches long and will cut either ¼-inch, ½-inch or ¾-inch long. Weight, 600 lbs.

List price, with Traveling Table,	**$120.00**
List price, with Common Table,	**90.00**

Discount, 40 per cent. on all sizes of Cutters.
Send for Catalogue of other sizes.

THE KELLY DUPLEX GRINDING MILLS

The Kelly Duplex Grinding or Feed Mill is in very general use throughout the whole country. The one reason why the Kelly Duplex is so popular, and why it attracted such a large number of buyers, is that it is superior to any other mill. By superior, we mean that it is capable, in the hands of ordinary operators, of doing a great deal more than any other mill, and doing it better and easier, requiring less power and producing a better grade of feed.



Why This Is The Best Iron Mill Made.

Because it is provided with a double set of grinders or burrs, for which reason it is called the "Duplex."

It is the only mill manufactured which has double or duplex grinders.

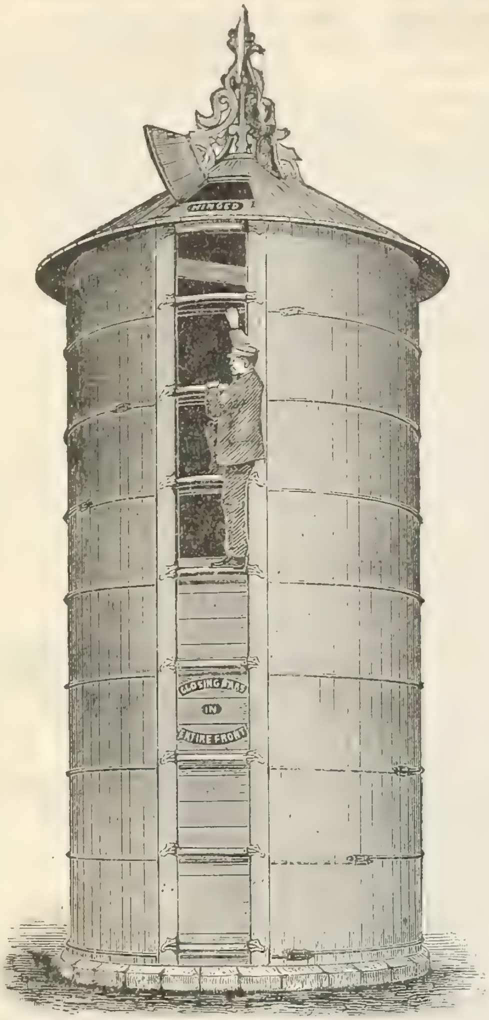
It can do as much work as any other mill of double its size.

It will grind any kind of grain, or **corn and cob**, equally well, and will produce meal of any desired quality, coarse, medium or fine.

PRICE.

No. 1	No. 2	No. 3	No. 4
$35.00	**$45 00**	**$50.00**	**$65.00**

Send for Circular.

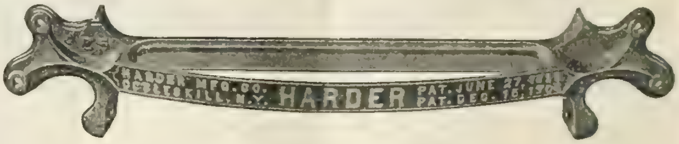


ROUND SILOS.

The introduction of the round stave silos has marked one of the greatest advances in farming during the past twenty-five years. It would be an easy matter to write a book as large as this catalogue giving the value of ensilage for feeding stock, and even then we would leave untold a great many valuable facts; but the subject has been so ably discussed in the agricultural papers, and so many valuable books have been printed that if there still remains any one who is undecided as to the advisability of feeding ensilage, we advise them to investigate the matter at once. There is a class of people that is opposed to ensilage, and it consists of farmers who have never given it a trial, and therefore are not in a position to judge. There are also those who have tried the old style square silo, or perhaps a home made, or a cheap round silo, and in any of these good ensilage cannot be made and kept any more than preserved fruit can be kept in an unsealed jar.

The Harder Silo

which we recommend, is, as far as we can find out, the only one made that has air tight doors, and the recent decision of the court protecting the Harder patents ought to convince any one in want of a silo that the **HARDER** is the one to buy. The Harder silo is the easiest one to erect of any; we furnish full instructions, and as every stave is numbered, it is a very easy matter to put them together. Even men with no experience whatever of carpenter work can erect one of these silos without any difficulty. The best time to order a silo is just as soon as you get this catalogue, for early orders can always be depended on, and by getting your order in early you have the goods in season and can set it up at your convenience.


HARDER MFG. CO.
COBLESKILL, N. Y.
HARDER

A SILO WITH A LADDER

One of the principal features of the Harder silo is the malleable

IRON LADDER

This ladder is made of very heavy iron girders (see illustration) which projects about eight inches away from the front of the silo, affording ample room for a secure footing There is a small flange on the outer edge of the girder which makes it next to impossible to slip, even in wet or icy weather. The bridge, which projects from the main part of the girder and thus gives added strength, forms what is called the "round" in an ordinary ladder, and is shaped conveniently for the hand so that a firm grip may be obtained. This ladder diminishes the danger of accident in ascending and descending by one hundred per cent. Almost all other manufacturers allow the hoops to form the ladder. These can never project over two or three inches from the front, and thus gives a very insecure footing. In icy weather, especially, it is almost impossibe to get a foothold on such a ladder where only one toe can rest upon a round hoop. Each time the feeding of the silage occurs, a trip up the ladder is necessary, making hundreds of times in a season.

1904 PRICE LIST OF

HARDER SILOS

Complete Except Roof.

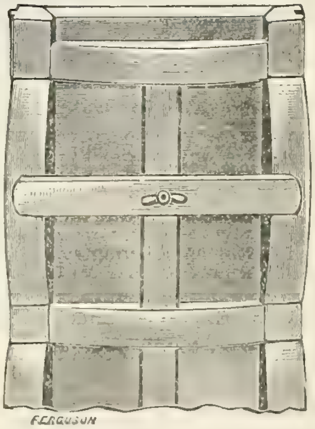
READY FOR SETTING UP AND FILLING. **F. O. B. CARS, COBLESKILL, N. Y.**

			FEARLESS AND HARDER PATENT.			EMPIRE.		
Diameter. Height.	Tons.	Weight.	White Hemlock.	White Pine.	Cypress.	White Hemlock.	White Pine	Cypress.
9 x 18	19	3000	$ 91	$ 97	$126	$ 83	$ 90	$117
8 x 20	17	2950	88	94	117	77	83	107
10 x 20	26	3700	104	112	146	95	101	135
12 x 20	38	4450	122	131	174	112	120	162
14 x 20	51	5200	141	153	206	130	140	193
16 x 20	67	5850	158	170	232	146	157	219
14 x 22	59	5700	155	168	230	143	156	217
10 x 24	34	4450	129	139	184	116	127	170
12 x 24	49	5300	150	160	216	137	148	203
14 x 24	66	6250	174	187	254	160	173	239
15 x 24	76	6700	185	198	269	171	185	254
16 x 24	86	7100	194	208	284	179	193	269
16 x 25	91	7450	199	215	291	184	199	275
10 x 26	38	4850	139	150	196	123	134	180
12 x 26	55	5700	160	172	233	145	156	217
14 x 26	74	6850	188	201	273	172	186	257
16 x 26	97	7750	209	225	305	192	208	288
18 x 26	120	8650	232	248	338	214	230	320
10 x 28	42	5300	151	162	212	132	143	193
12 x 28	61	6250	174	187	251	155	168	232
14 x 28	83	7250	206	221	294	186	200	274
16 x 28	108	8250	230	247	329	209	226	308
18 x 28	137	9400	253	272	366	232	251	345
12 x 30	68	6700	189	203	270	169	183	250
14 x 30	93	7850	223	239	318	202	218	296
15 x 30	105	8450	238	255	335	217	234	314
16 x 30	119	9900	250	268	354	228	246	332
18 x 30	151	10150	276	296	397	254	274	375
20 x 30	189	11300	302	324	434	279	301	410
21 x 30	208	11900	316	340	453	292	316	479

☼ THE EMPIRE SILO ☼

A RELIABLE DOOR AT A MODERATE PRICE

The Empire silo is exactly like the Harder patent silo in every respect except the door. In the silo a large quantity of iron, steel, rubber, bolts, nuts and washers are used, which makes the Harder Patent Front more expensive. The Empire Door is much simpler in construction and requires less material. For this reason we can sell the Empire Silo cheaper and at the same time assure our patrons that it is a thoroughly good and reliable silo, and one that can be depended on to give most satisfactory results.



EMPIRE DOOR

THE USUAL FATE OF A CHEAP SILO

ROOFS FOR HARDER SILOS.

Conical Roofs, made of White Pine

Diam. of Silo.	Price.
10 feet	$37.50
12 "	42.00
13 "	44.50
14 "	46.00
15 "	48.00
16 "	51.50
18 "	64.00
20 "	75.00
21 "	82.00
22 "	90.00
23 "	100.00

Write for Catalogue and Discount,

Metal Roofs, made of Gal. Sheet Steel

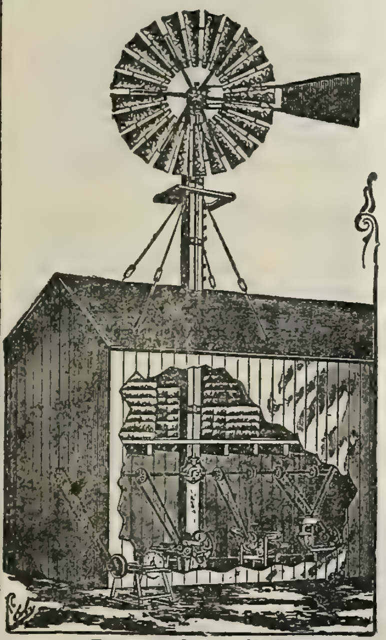
Diam of Silo.	Price.
10 feet	$25.00
12 "	29.00
13 "	31.50
14 "	34.00
15 "	37.00
16 "	40.00
18 "	46.00
20 "	52.00
21 "	56.00
22 "	60.00
23 "	65.00

Wind Mills and Towers

HORSE POWERS —— GASOLINE ENGINES

There seems to be no one kind of power that is adapted to all kinds of work. Some farmers require power only for pumping water, and the windmill is as cheap and as durable and perhaps, all things considered, the best power for that purpose there is. There are others that use power only for cutting food and such work as can be done in the stable. For that use, the tread power for either one or two horses is adapted. For all purposes where it is either impossible on account of danger or other reasons to use steam power, the Gasoline Engine can be used, and this style of power has a great many advantages over any other kind. It can be stopped and started instantly, and it requires very little space.

In buying any of these powers, be sure to buy the best. They cost but very little more.



Freeman Power Mill.

The Freeman Steel Windmill

It is impossible in the small space we can devote for that purpose to give anything like a complete description of this mill, but we will mail to anyone upon request, a complete catalog describing it in full, and showing wherein it is superior to any other. The price quoted is f.o.b. cars at Racine, Wis. We do not set up any mills. We prefer to sell them on the same margin of profit that we do other goods, and let the customer set them up. We have no plumbers and can not charge their price, but it is an easy matter for any one to erect a mill. We think you will find it much cheaper to buy a mill of us and erect it yourself, for in that way you avoid exhorbitant prices. Our price may seem cheap, but we guarantee every mill to be first class in every way.

Write for complete catalog.

List Price of Steel Pumping Mills and Towers.

Diameter of Wheels.	Weights.	Painted List Prices.	Galvanized List Prices.
8 feet	330 lbs.	$37.50	$42.50
9 feet	370 lbs.	40.00	47.50
10 feet	420 lbs.	45.00	52.50
12 feet	760 lbs.	82.50	90.00

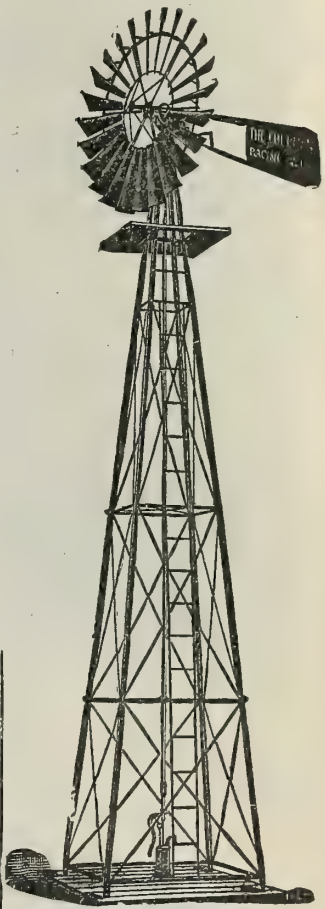
STEEL POWER MILLS

Diameter of Wheels.	Weights.	Painted List Prices.	Galvanized List Prices.
12 feet	800 lbs.	$ 87.50	$100.00
14 feet	1150 lbs.	120.00	140.00
16 feet	1600 lbs.	200.00	225.00

FOUR-POST ANGLE STEEL TOWERS

Height.	Weights.	Painted List Prices.	Galvanized List Prices.
20 feet	350 lbs.	$ 25.00	$ 28.50
30 feet	535 lbs.	36.00	42.50
40 feet	700 lbs.	47.50	58.50
50 feet	940 lbs.	60.00	78.50
60 feet	1180 lbs.	75.00	100.00
70 feet	1485 lbs.	92 50	125.00
80 feet	1800 lbs.	110.00	150.00

Discount, 40 per cent. from List. 5 per cent. extra for cash with order.

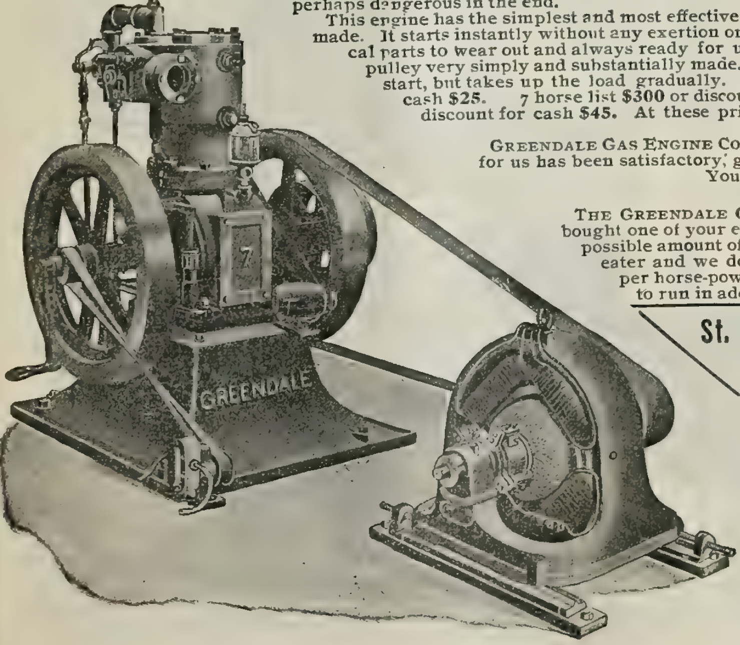


Freeman Pumping Mill.

GREENDALE GASOLINE ENGINE.

Since Gas Engines have been on the market we have been looking for one that we could recommend with perfect confidence to our customers as being a first-class machine. The Greendale is made here in Worcester and the manufacturers are thoroughly reliable parties, and it has been tested by several of our leading farmers in this county. We could print several testimonials but have space for only a few. It may be economy in some lines of tools and under certain circumstances to buy cheap or low priced goods, but on an engine the best is none too good. Where your life is endangered, never take any chances by buying simply because you can save a few dollars. You may be able to save $50 00 or $75.00 in buying some other make, but it is liable to prove expensive and perhaps dangerous in the end.

This engine has the simplest and most effective self starter of any Gasoline Engine made. It starts instantly without any exertion on the part of the operator. No mechanical parts to wear out and always ready for use. It also has an automatic friction pulley very simply and substantially made. With this pulley, the engine is free to start, but takes up the load gradually. List price 5 horse **$250,** discount for cash **$25.** 7 horse list **$300** or discount for cash **$30.** 15 horse list **$445,** discount for cash **$45.** At these prices, we furnish a man to set up and start them.



Haydenville, Mass., March, 19, 1904.

GREENDALE GAS ENGINE CO., Worcester, Mass. Gentlemen: The Electric Lighting Plant you installed for us has been satisfactory, giving good commercial light at ⅓ the cost of buying light.

Yours very respectfully, BYRON LOOMIS, PROP.

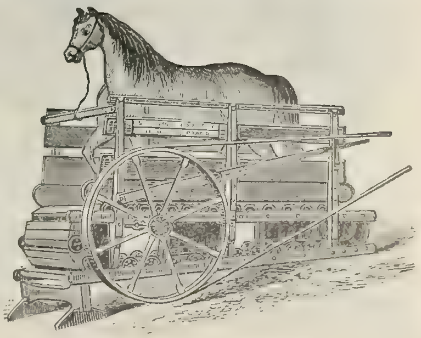
Worcester, Mass., Jan. 10, '05.

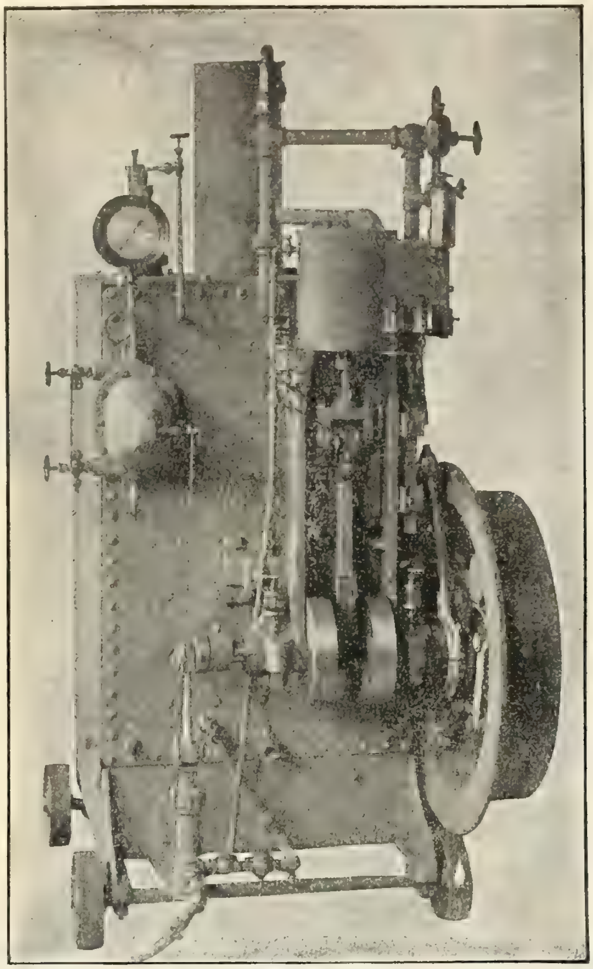
THE GREENDALE GAS ENGINE CO., Worcester, Mass. Gentlemen:—About two years ago we bought one of your engines, and have run it every working day since. It has given us the least possible amount of trouble, and the consumption of gas has been very small. It is a light eater and we do not know that we ever saw a gasoline or oil engine that cost so little per horse-power to run. It is our hope to soon give you an order for a much larger engine to run in addition to our present one. SANBORN-TUCKER PAINT & VARNISH CO.

St. Albans Horse Powers.

We claim for this Horse Power an adaptability for farmers' use never equalled by any other power in the market. The study has been to so construct them that they should meet all their wants, and be easily adjusted to any and every use.

One-Horse Power, with Speed Regulator, **$70.00.** Two-Horse Power, with Speed Regulator, **$90.00.** Discount for cash, 5 per cent.





THE SAFE ENGINES AND BOILERS

In presenting this line of engine to our customers, we desire to call your attention to a few of their merits which we think are possessed by no other make. The boilers are made of the very best material and the work is done in the most careful manner. It occupies the least amount of space of any boiler made of the same capacity. It is small and not liable to explode and uses about one-half the fuel usually required to do the same amount of work and this is the only engine where with an armful of wood, steam can be raised to from 60 to 80 lbs. within from 10 to 15 minutes' time. These engines are made in all sizes and are adapted for all purposes, but for farmers' use we cannot recommend them too highly. Safety plugs are put in all of the boilers, but should the boiler by carelessness become overheated and leak around the tubes, it is not necessary to send for a boiler maker, but the leak can be repaired with a common monkey wrench. The engine is built for hard work and with the new oilers, it can be oiled while the engine is running.

This engine has been greatly improved since last season and we are pleased to say that it is now being manufactured by parties who can fill orders promptly, as during the past three years, it has been next to impossible for us to get the engines when they were wanted the most and through the negligence of the old manufacturers and the New England agent, we have been obliged to disappoint a great many customers.

The speed of the engine can be changed from two to five hundred revolutions per minute, as the circumstances require.

● ● ● ●

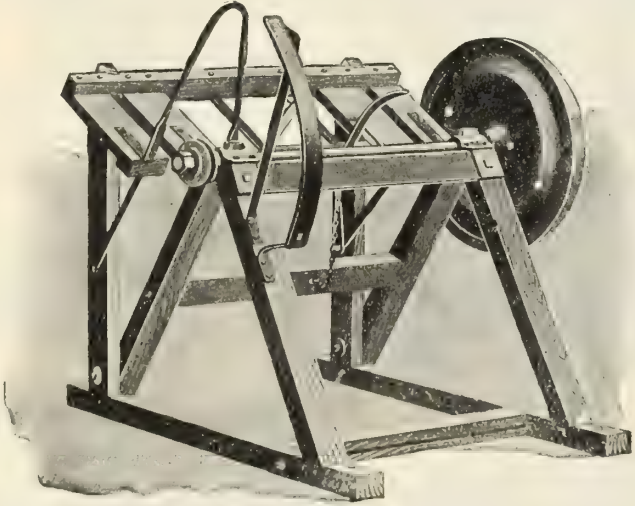
PRICES OF SAFETY ENGINES AND BOILERS COMPLETE.

	List Price.	Net Cash Price.
3 horse	$230.00	$210.00
4 ''	300.00	270.00
5 ''	310.00	280.00
6 ''	370.00	335.00
8 ''	415.00	385.00
10 ''	520.00	480.00
12 ''	550.00	500.00

Send for complete catalogue.

ROSS POLE AND WOOD SAWS AND FRAMES

All wood saws are made to drop the wood on the right hand side, unless otherwise ordered. We carry only the best selling sizes in stock; other sizes will be shipped direct from the factory. Discount on sizes in stock, 40 per cent.; when shipped from factory, 40 and 5 per cent. The extra 5 per cent, will nearly pay freight.

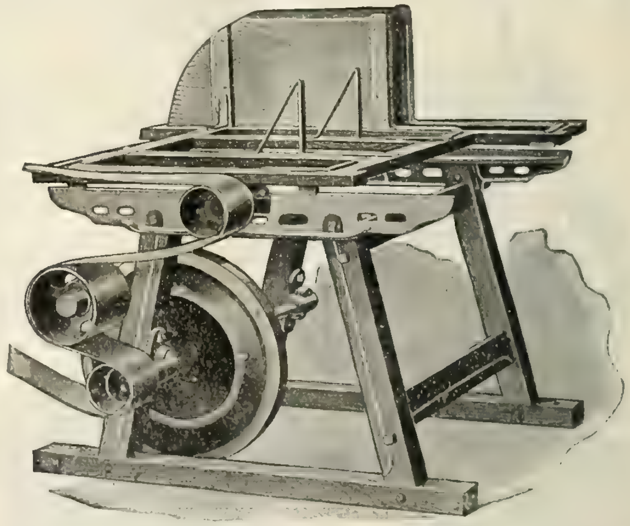


TILTING TABLE WOOD SAW.

The above will give you an excellent idea of the high type of these saws. They are made of good material throughout, and are built in a thoroughly workmanlike manner in every respect. The arbors are of steel, the bearings long and well babbitted. The balance wheels are heavy and well balanced. This machine is finished in an attractive manner. It has a tilting table pivoted so that it balances perfectly, and is therefore a great favorite with the sawyer.

Prices, Tilting Table Wood Saws: 20 in. $40.00; 22 in. $42.50: 24 in. $45.00; 26 in. $47.50; 28 in. $50.00. Discount 40 per cent.; 5 per cent. cash with order.

Prices, Tilting Table Pole Saws. 20 in. $47.50; 22 in. $50.00; 24 in. $52.50; 26 in. $55.00; 28 in. $57.50. Discount 40 per cent.; 5 per cent. cash with order.



SLIDING TABLE POLE SAW.

This machine has been carefully designed and all parts are well made. The above clearly illustrates it. It is built with a sliding table and the balance wheel is on a separate shaft entirely out of the way. Long poles can be sawed as well as wood. Power is taken in the same manner as tilting table pole saw. All our wood saws are made right hand unless otherwise ordered.

Prices, Sliding Table Pole Saws. 20 in. $50.00; 22 in. $52.50; 24 in. $55.00; 26 in. $57.50; 28 in. $60.00 Discount 40 per cent.; 5 per cent. cash with order.

Prices, Sliding Table Wood Saws. 20 in. $42.50; 22 in. $45.00; 24 in. $47.50, 26 in. $50.00; 28 in. $52.50. Discount 40 per cent.; 5 per cent. cash with order.

Handy Farm Wagons and Trucks

with Low Down Wheels are the Best Style of Wagons for either Farmer, Lumberman or Fruit Grower.

BROAD TIRES VS. NARROW TIRES.

It has been repeatedly demonstrated that a load can be drawn much more easily on wheels with wide tires than on those with narrow tires, on any kind of roadway. Broad tires are greatly preferred on the fields and farm roads, as they do not sink so deeply into the soft earth and do not draw so hard. The following is taken from the Fourth Annual Report of the Commissioner of Public Roads of New Jersey:—

"On a good, hard, sandy road you can haul 500 pounds more on four inch tires than you can on one and one-half inch tires, or on level gravel roads 475 pounds more. It has been shown by experiment that a team can haul a load over the different kinds of roadway by exerting the following pull per ton:

Earth road in fair condition, 130 to 160 lbs.	Gravel or hard earth, 60 to 100 lbs.	Macadam in good order, 40 to 60 lbs.
Granite blocks, smooth, 25 to 40 lbs.	Brick pavement, good 20 to 30 lbs.	Asphalt pavement, good, 15 to 25 lbs.

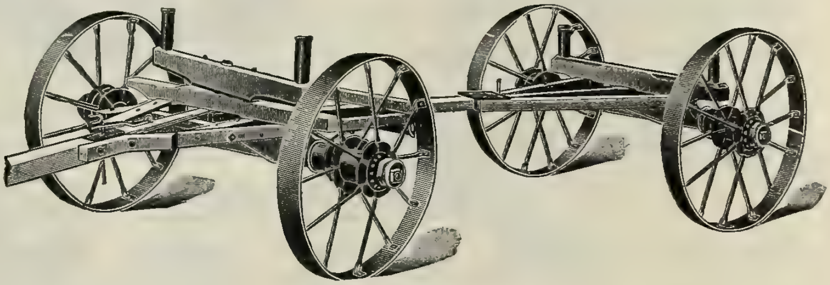
"So it will be seen that the requirement for hauling heavy loads with light draft is a *hard, even* surface; it is the sinking into the roadway that causes the resistance. Therefore, if the roadway is soft, there must be more surface of tire to prevent sinking. Where an inch and a half tire would sink six inches, it is safe to say that a six inch tire would not sink an inch and a half with the same load, and on sod ground it would be even less. Broad tires are *road makers.* Narrow tires are *road destroyers.* The first does the work of a roller, the second that of a pick. Thus you see that broad tires save both your horses and your roads."

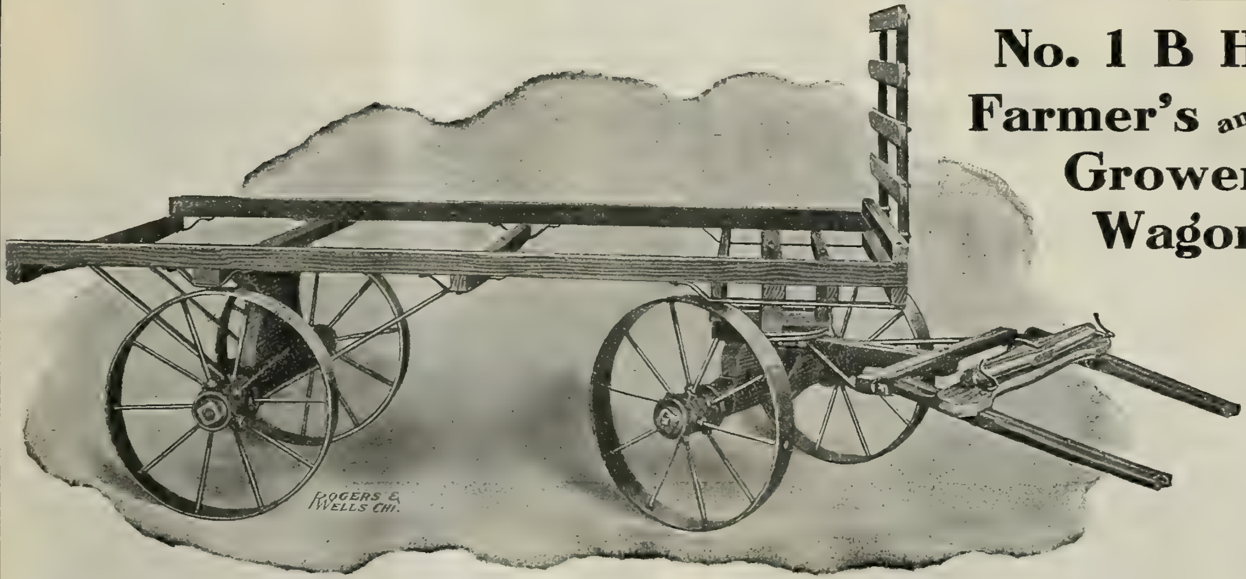
Our No. 3 Gear.

No. 3 Wagon has full hounds and pole, same as the make of lumber wagons.

List price, complete, with wheels 30 and 34 inch, tire 5 x $\frac{5}{8}$ inch, **$42.00.**

Less discount for cash, $2.00.




ROGERS & WELLS CHI.

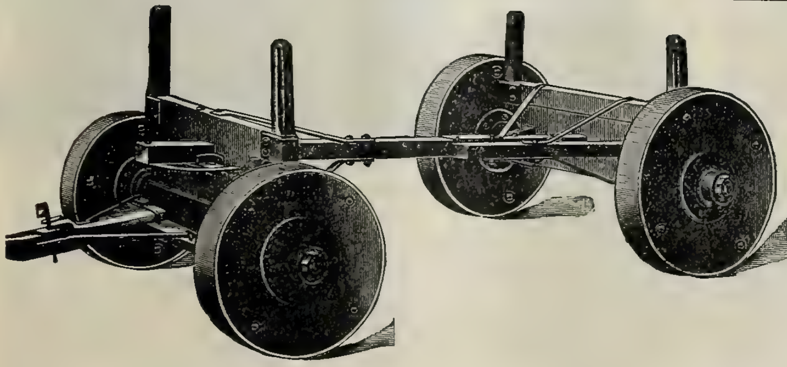
No. 1 B Handy Farmer's and Fruit Grower's Wagon.

With Steel Wheels.

Furnished in one track only.

3 feet 2 inches to center of tires.

DESCRIPTION. Catalogue No. **141.** Height of Wheels: Front 26", Rear 26". Size Tire, 4". Size Skein, 3½ x 7. Size Axle, 3 x 4½; wood. Weight, 650 lbs. Capacity, 3000 lbs. **List price, $35.50.** Write for Special Circulars.



No. 9 Handy Wagon.

Two-horse, short turn style; wheels turn under load. Standard track—narrow, 4 feet 8 inches; wide, 5 feet center to center of tires on ground. Bolsters, 38½ inches between stakes on narrow track; 42 inches on wide track.

Prices include pole and wrench only.

DESCRIPTION.

Catalog No.	Wheels. Front.	Rear.	Size Tires.	Size Skein.	Size Axle.	Capacity.	List Price.
101	24"	28"	6	½x7	3x4½	4000	$27.00
102	26"	30"	6	3½x7	3x4½	4000	28.00
103	28"	32"	6	3½x7	3x4½	4000	29.00

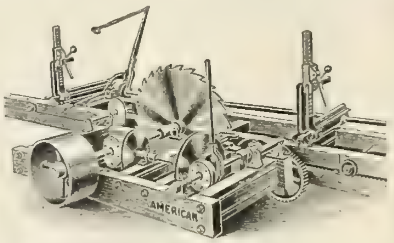
Write for Special Circulars.

This Style Especially Designed for Logging. Complete Catalog will be Mailed Showing Other Styles and Sizes.

WE ARE NEW ENGLAND SELLING AGENTS FOR THE NEW

AMERICAN SAW MILL.

Variable Friction Feed.
Ratchet Set Works.
Quick Receder. Duplex Dogs.
Strong, Accurate and Reliable.
Best Material & Workmanship.



No. 1.

Light Running.
Requires Little Power.
Simple, Easy to Handle.
Won't Get Out of Order.

With 5 H. P. Steam or Gasoline Engine Guaranteed to Cut 2,000 Feet per Day.

$150.00 BUYS IT, and we pay freight.

Five other sizes made. Also Edgers, Trimmers, Shingle Machines, Lath Mills, Rip and Cut-off Saws, Drag Saws, Cord Wood Saws, Planers, Lathes, and Feed Mills.
Catalogue sent free.

We can make Prompt Shipment from Factory, as they carry a large stock.

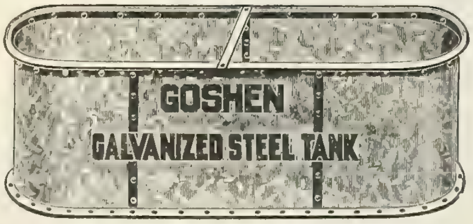
American Saw Mill Machinery Co., - 74-76 Hope Street, Hackettstown, N. J.
New York Office, 114 B Liberty Street.

Goshen Round, Square and Oblong Tanks

For Stock or Towers. Send for complete price list. Steel tanks are far superior to wood.

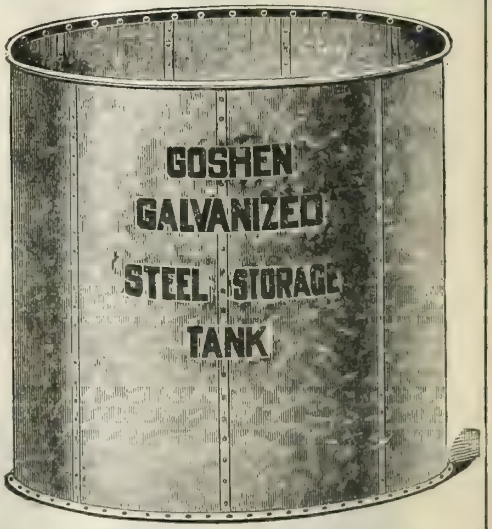
GOSHEN TANKS are made of No. 20 Galvanized Steel. The workmanship is first-class in every way. The measurements are outside. Covers can be furnished at about 20 cents per square foot. There are so many sizes made, and as all tanks are shipped set up, we do not carry them in stock, but can guarantee prompt shipment from factory, and we offer a liberal discount which will cover freight charges to nearly any freight station in New England. We can also furnish any size or style of tank either set up or flat.

Send for complete list with discount.



Round End Stock Watering and Storage Tanks.

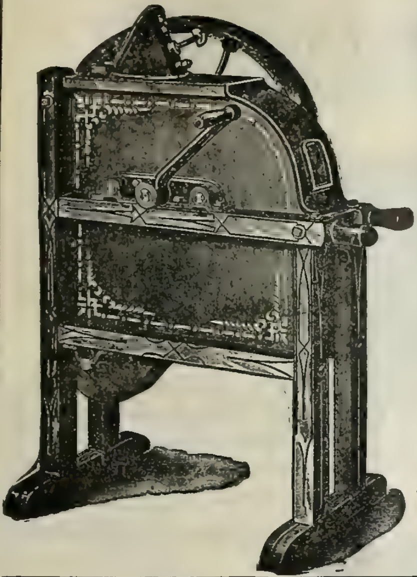
No.	Width.	Height.	Length.	Capacity.	Price.
101	2 ft.	2 ft.	4 ft.	3¾ bbls.	$ 7 00
102	2 ft.	2 ft.	5 ft.	4¾ bbls.	8 70
103	2 ft.	2 ft.	6 ft.	5¾ bbls.	10 25
104	2 ft.	2 ft.	7 ft.	6½ bbls.	11 25
105	2 ft.	2 ft.	8 ft.	7½ bbls.	12 25
106	2 ft.	2 ft.	10 ft.	9½ bbls.	15 00
107	2 ft.	2½ ft.	8 ft.	9½ bbls.	14 00
108	2½ ft.	2 ft.	8 ft.	9½ bbls.	13 00
109	2½ ft.	2 ft.	10 ft.	12 bbls.	16 80
110	2½ ft.	2½ ft.	8 ft.	12 bbls.	15 00
111	3 ft.	2 ft.	8 ft.	11½ bbls.	14 00
112	3 ft.	2 ft.	10 ft.	14 bbls.	17 50
113	3 ft.	2½ ft.	8 ft.	14 bbls.	16 00
114	3 ft.	2½ ft.	10 ft.	18 bbls.	20 00
115	3 ft.	3 ft.	10 ft.	21 bbls.	23 75
116	4 ft.	2 ft.	8 ft.	15 bbls.	18 00
117	4 ft.	2 ft.	10 ft.	19 bbls.	21 50
118	4 ft.	2 ft.	12 ft.	22 bbls.	25 75
119	4 ft.	2 ft.	14 ft.	26 bbls.	29 50
120	4 ft.	2 ft.	16 ft.	30 bbls.	34 00
121	4 ft.	2½ ft.	8 ft.	17 bbls.	20 00
122	4 ft.	2½ ft.	10 ft.	24 bbls.	24 00
123	4 ft.	2½ ft.	16 ft.	38 bbls.	38 00



Galvanized Steel Storage Tanks.

The sizes referred to below are all too large to be shipped set up ready for use except on flat car. Unless otherwise specified they are always shipped knocked down.

No.	Diameter.	Height.	Capacity.	Weight.	Price.
50	6	6	41 bbls.	340 lbs.	$ 35 00
51	6	8	54 bbls.	430 lbs.	43 00
52	8	5	60 bbls.	475 lbs.	47 50
53	8	6	72 bbls.	530 lbs.	52 50
54	8	8	96 bbls.	640 lbs.	65 00
55	8	10	120 bbls.	750 lbs.	73 00
56	10	8	150 bbls.	875 lbs.	85 00
57	10	10	180 bbls.	970 lbs.	95 00
58	12	10	270 bbls.	1400 lbs.	128 00
59	12	12	324 bbls.	1600 lbs.	150 00



Wisconsin Valley Corn Sheller.

STRICTLY HIGH GRADE.

This is unquestionably the most popular type of hand corn sheller made, and as improved and now manufactured it combines every desirable feature to make it a PERFECT sheller.

The frame is made of hard wood and is bolted together. The shafting is steel, and runs in bored bearings which are bolted to the frame. Great care is taken in every detail of construction, and the entire machine is tastefully ornamented and handsomely finished.

Price, $7.00.

Discount for Cash, 50 cents.

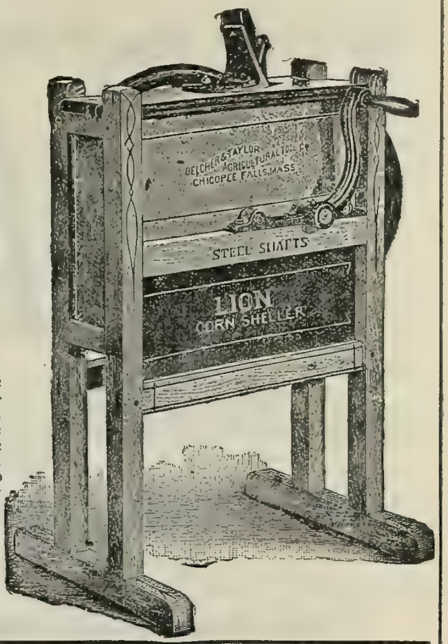
LION CORN SHELLER

Is a Rapid, Easy Working and Smooth Running Sheller, Shelling all kinds of Corn.

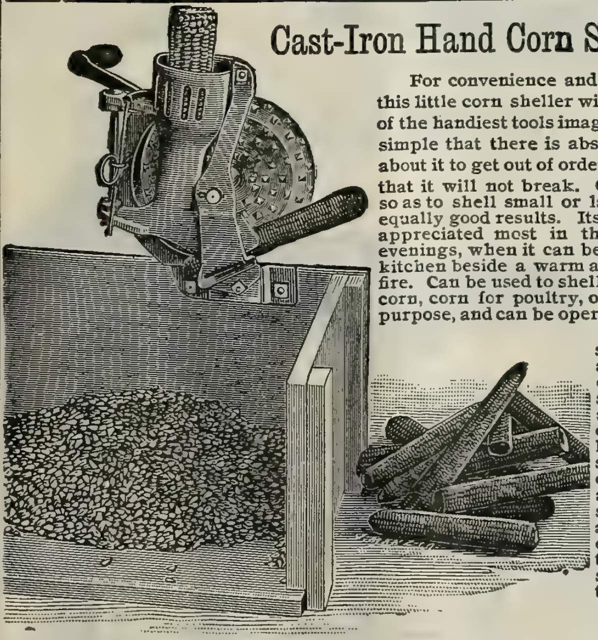
Made with a heavy Balance Wheel, Steel Shafts. Adjustable Iron Hopper with Steel Springs. Solid Side Bearings, which hold the shafts firmly in position. Gearing all inside, and so made that the corn cannot get into it. Made only with our Improved Separator.

Retail Price, $12.00.

Discount for Cash, $2.00.


BELCHER & TAYLOR AGRICULTURAL TOOL CO. CHICOPEE FALLS, MASS.
STEEL SHAFTS
LION CORN SHELLER

Cast-Iron Hand Corn Sheller.

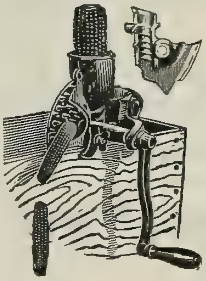


For convenience and general utility this little corn sheller will be found one of the handiest tools imaginable. It is so simple that there is absolutely nothing about it to get out of order, and so strong that it will not break. Can be adjusted so as to shell small or large ears with equally good results. Its value will be appreciated most in the cold winter evenings, when it can be taken into the kitchen beside a warm and comfortable fire. Can be used to shell pop corn, seed corn, corn for poultry, or for any other purpose, and can be operated by a child.

The adjusting shell is held against the ear of corn by a spring, the tension of which is easily & quickly adjusted. This shell forces the ear of corn against the shelling wheel and causes the ear to revolve so that the corn is shelled from the ear clean.

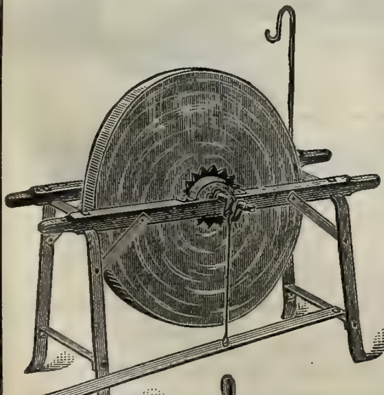
Net Cash Price only $1.50.

THE RED CHIEF CORN SHELLER.



This Sheller, although low in price, is guaranteed to do as good work as any sheller on the market. It is a very handy machine as it occupies but very small space. It separates the corn from the cob and does not break the corn. Clamps to barrel or box; adjusts itself to any size of ear; has attachment for shelling pop corn.

Price Plain, $2.50.
Attachment, .25.



R. B.
MOUNTED
GRINDSTONES

This is the best low-priced grindstone on the market. The stone is best Berea Grit (Ohio), the legs are iron, which will not rot if left out during haying, the woodsidepieces arepainted bright vermilion, and the hangings made interchangable. It is a very handy stone to move from one place to another.

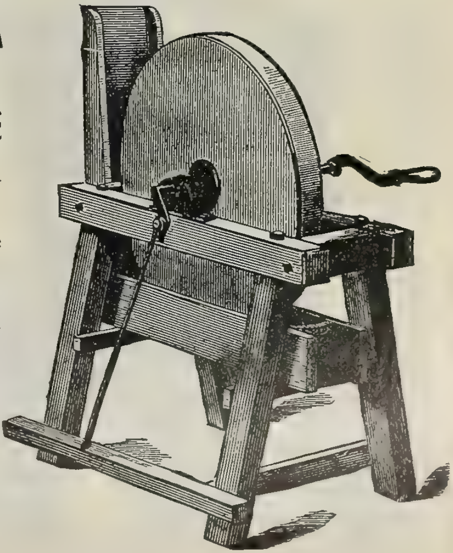
No. 1.	Stone weighs about 100 lbs	$5.00
No. 2.	" " " 80 lbs	4.50
No. 3.	" " " 60 lbs	4.00

Discount for cash, 50c.

THE HECLA

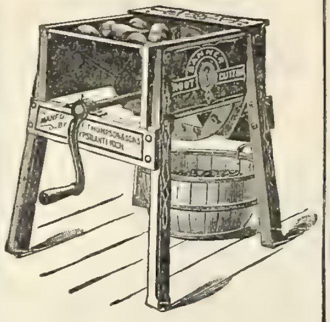
OAK FRAME GRINDSTONE

This stone we have made for us, and it is as good a stone as money will buy. It is furnished with a best *Nova Scotia* stone, the frame is very strong and made of oak, has both crank and foot treadle, with trough and protector.



Size.	22 in.	List Price, $8 00.	Net Price, $6.50
"	24 in.	" 8.50.	" 7.00
"	26 in.	" 9 00.	" 7.50
"	28 in.	" 9 50.	" 8.00
"	30 in.	" 10 00.	" 8.50

The Banner Root and Vegetable Cutter.


BANNER ROOT CUTTER
MANF'D BY THOMPSON & SONS YPSILANTI MICH.

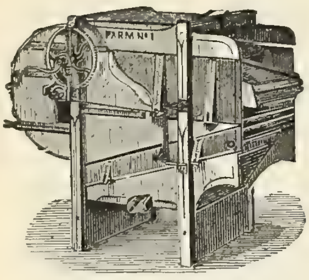
The "Banner" Root Cutter is, without question, the best ever invented. It contains features found in no other machine. It has a self-feeder; separates the dirt from the cut feed, and leaves the cut food in such condition that the stock cannot choke. The pieces ate cut in long half-round slices, and are not crushed, ground or torn; even young lambs can safely be fed with roots cut with the "Banner" Cutter.

PRICES.

No. 20.	Hand power, capacity 30 to 50 bushels an hour, ...	$11.00
No. 15.	The above fitted with pulley power, capacity 60 to 80 bushels an hour, ...	13.00
No. 16.	Power cutter, capacity 120 to 180 bushels an hour, ...	18.00

Discount for cash, $1.00.

The Centennial Fanning Mill.

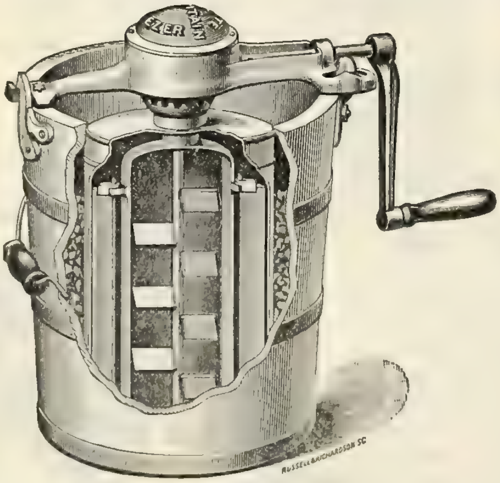


The Most Perfect Cleaner, Grader and Separator of all Grain and Seeds.

The Centennial is an excellent chaffer, having plenty of wind and shake. Having two shoes it carries more screens than any other mill in the market. It will separate oats and all seeds, such as pigeon grass, wild buckwheat, cockle, cheat, and other wild seeds from wheat at one operation. The best mill for all purposes in the market.

List Price, $20; discount for Cash, $4.

White Mountain Ice Cream Freezer.

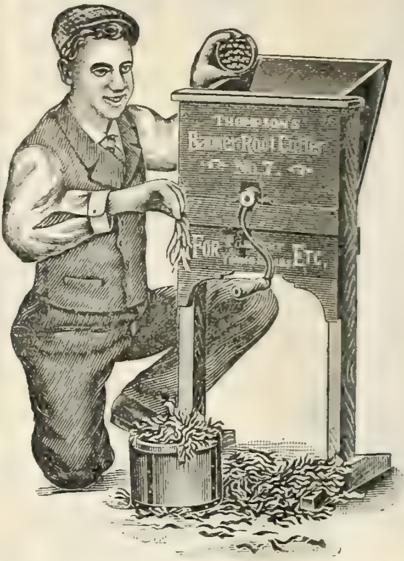


These Freezers are imitated, but not equalled. There are cheaper freezers in price than the White Mountain, but not so good.

2 quart, net price,	$2.00	10 quart, net price,	$5.50
3 quart, "	2.25	12 quart, "	7.00
4 quart, "	2.65	15 quart, "	8.50
6 quart, "	3.25	20 quart, "	10.75
8 quart, "	4.50	25 quart, "	13.50

No. 7, Banner Root Cutter.

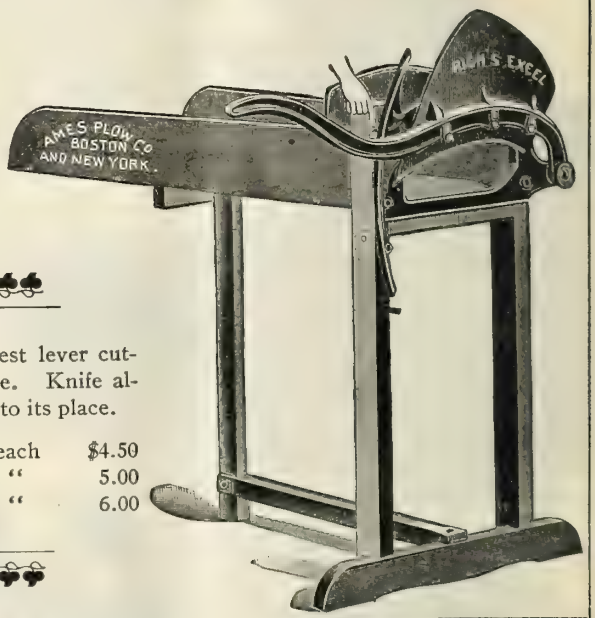
FOR POULTRY KEEPERS.


THOMPSON'S
BANNER ROOT CUTTER
No. 7.
FOR ... ETC.

Cuts all kinds of Roots, Beets, Carrots, Turnips, Potatoes, Apples, etc., leaving them as fine as shavings. Vegetable treated in this way and fed in the winter, will not only produce eggs, but keep the poultry in a healthy condition. It is a fast cutter and easy to operate.

Net Cash Price, $5.00

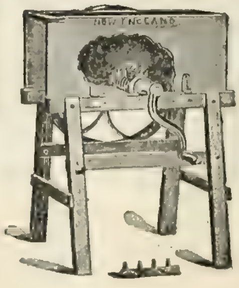
The Rich Lever Cutter.


AMES PLOW CO BOSTON AND NEW YORK
RICH'S EXCEL

The best lever cutter made. Knife always up to its place.

No. A, each	$4.50
No. B, "	5.00
No. C, "	6.00

New England Vegetable Cutter

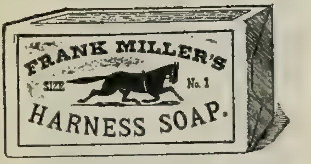


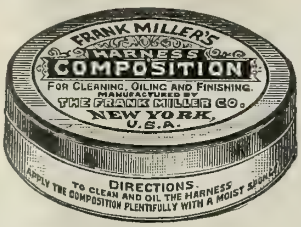
A durable and cheap root cutter, which we recommend next to the Banner shown at the top of page. The cutting is done by means of hooks fastened to the main arbor and all kinds of roots can be cut with very little labor.

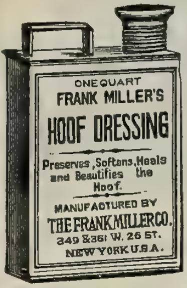
Price, $7.50. Dis. for Cash, 50c.

Frank Miller's Stable Goods.

These are reliable and should be in every well regulated stable.


FRANK MILLER'S
SIZE No. 1
HARNESS SOAP.


FRANK MILLER'S
HARNESS
COMPOSITION
FOR CLEANING, OILING AND FINISHING.
MANUFACTURED BY
THE FRANK MILLER CO.
NEW YORK,
U.S.A.
DIRECTIONS.
TO CLEAN AND OIL THE HARNESS
APPLY THE COMPOSITION PLENTIFULLY WITH A MOIST SPONGE


ONE QUART
FRANK MILLER'S
HOOF DRESSING
Preserves, Softens, Heals and Beautifies the Hoof.
MANUFACTURED BY
THE FRANK MILLER CO.
349 & 351 W. 26 ST.
NEW YORK U.S.A.

FRANK MILLER'S
No. 6
HARNESS SOAP

Frank Miller's
No. 4.
HARNESS SOAP

PRICE LIST.

Harness Soap. Black.

¾ lb. Cake	$ .15
2½ lb. Can	.50
5 lb. Tub	.85

Harness Composition.

1 lb. Box	.25
2½ lb. Box	.50

Hoof Dressing.

1 quart Cans	.40

Harness Dressing.

1 pint Can	.30
1 quart Can	.50
1 gallon Can	1.25

Harness Oil Blacking.

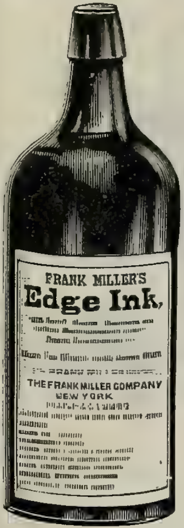
1 pint Can	.30
1 quart Can	.50
1 gallon Can	1.30

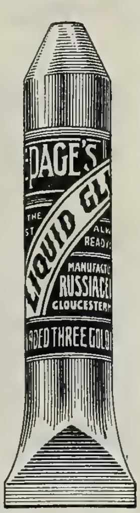
Edge Ink.

Pint Bottles	.10

Page's Liquid Glue.

In Tubes. 10c., postpaid.


FRANK MILLER'S
Edge Ink,
THE FRANK MILLER COMPANY
NEW YORK


PAGE'S
LIQUID GLUE
MANUFACT
RUSSIA CE
GLOUCESTER
AWARDED THREE GOLD

Hollingshead Stable Goods.

Similar to the above and as reliable.

Electro Shine.

½ pint Can	$ .20
3 oz. Can	.10

Metal Polish.

1 pint Can	.30
½ lb. Can	.20
Liquid, 1 quart Can. Black or White.	.50
Paste, 1 lb. Can	.30

Castile Cream Harness Soap Dressing. Black.

1 lb. Can	.25
2½ lb. Can	.50
5 lb. Can	.85
10 lb. Can	1.50

Liquid Harness Dressing.

1 pint Can	.30
1 quart Can	.50

Harness Oil Blacking.

pint Can	$ .25
quart Can	.50
1 gallon Can	1.25
5 gallon Can	3.50
10 gallon Can	6.50

Extract of Witch Hazel.

1 quart Bottle	.35
1 gallon Bottle	1.00

Carriage Top Dressing.

½ pint Can	.30

Prime Neatsfoot Oil.

1 quart Can	.40

Castor Axle Oil.

1 pint Can	.25
1 quart Can	.50

Natural Rock Hoof Packing.

1 lb. Package	.25

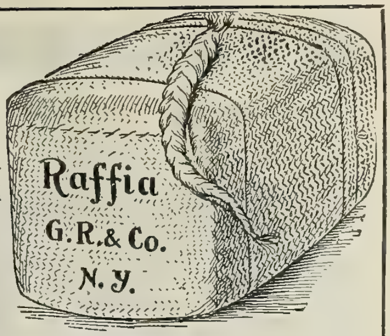
RAFFIA

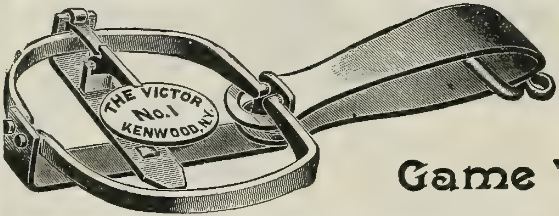
An Imported Grass

for tieing vegetables; also used for tieing shrubs, vines, and for making baskets, etc.

Per lb. 18 cts.

5 lb. lots, 15c. per lb.

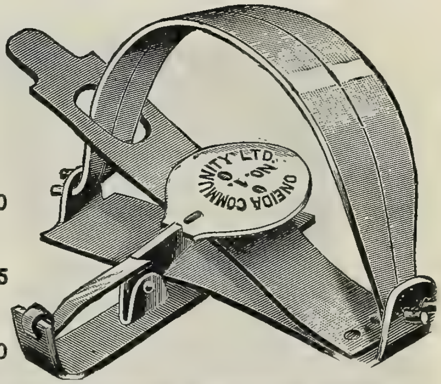

Raffia
G. R. & Co.
N. Y.


THE VICTOR
No. 1
KENWOOD, N.Y.

THE VICTOR Game Trap.

No. 0, with chain, each, 15 cents. Dozen, $1.25.
No. 1, with chain, each, 20 cents. Dozen, $1.50.
No. 1½, with chain, each, 25 cents. Dozen, $2.00.
No. 2, with chain, each, 30 cents. Dozen, $2.25.

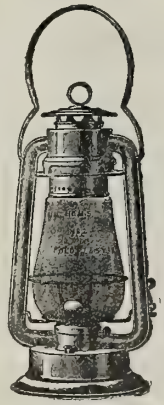
The Star Game Trap.


ONEIDA COMMUNITY LTD.
No. 1

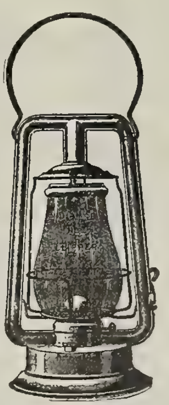
No. 0, with chain, each, 15c.; doz. $1.50
No. 1, with chain, each, 20c.; doz. $1.75
No. 2, with chain, each, 25c.; doz. $2.00

LANTERNS.

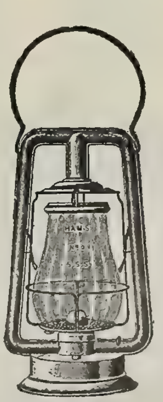
There is probably no one article that is so little thought of, yet so necessary, as a lantern; and on a farm where a lantern is used daily and oftentimes morning and night, it is very important to have one that will not only give a good light but be absolutely safe to carry.



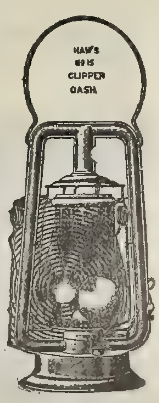
No. 2, Cold Blast, 90c.



No. 0, Clipper, 50c.
No. 2, Clipper, 75c.



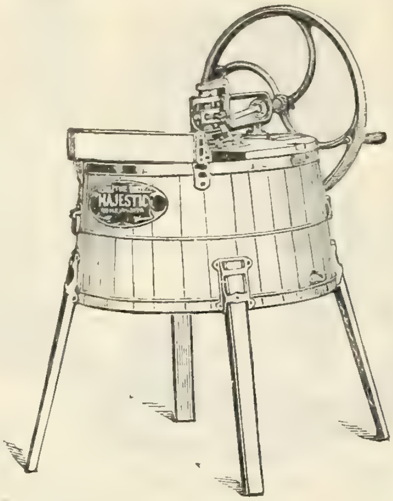
No. 0. Side Spray, 50c.
No. 2, Side Spray, 75c.


HAM'S
NO 15
CLIPPER
DASH

No. 15, Dash, 75c.
No. 2, Dash, $1.00
Cold Blast Dash, $1.15

Milkmen's and Doctors' Driving Lanterns. No. 18, Jap., $2.50; No. 18, Nickel, $3.

The Majestic Rotary Washers

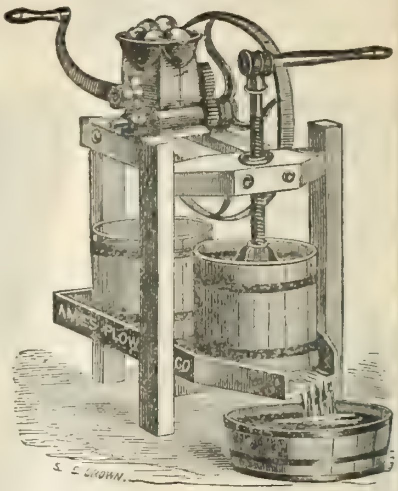


This is, without doubt, the lightest running washing machine on the market. The ball bearings and balance fly wheel almost make it run itself. The tub is made of well seasoned Virginia white cedar with a flat hoop at the top and electric welded wire hoops in the middle and at the bottom sunk in a groove so that they cannot come off. There is nothing on the inside to catch and tear the clothes. This is a household necessity.

Price, $7.00.

Discount for cash, 50c.

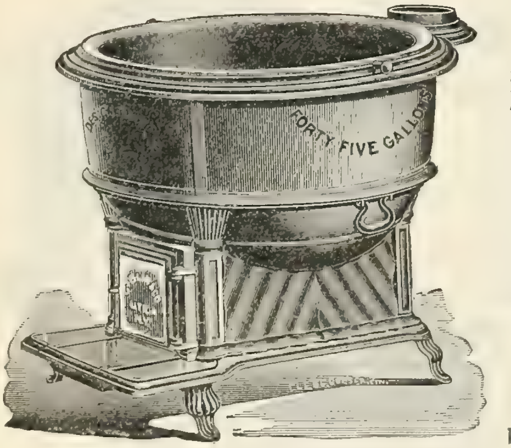
NATIONAL CIDER MILL. FAMILY . . . SIZE.



This mill is especially adapted for family use, being light, strong and convenient. It is exactly the same in principle as the farmers' mill shown below, only of smaller size and sold at a less price. This mill will pay for itself in one season by gathering the windfalls and making them into cider for vinegar and for the market; this is just the size for that purpose.

	List Price.	Net Price.
Two Curbs,	$20.00	$17.00

Peckham's Furnaces and Caldrons

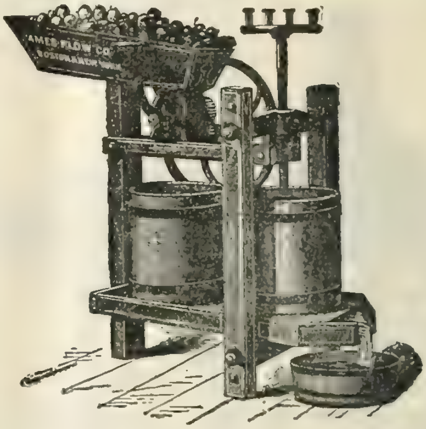


Made in seven sizes, from 15 to 120 gallons. These furnaces are arranged to burn either hard or soft coal, or wood. The flues are so constructed that instead of going direct to the smoke outlet, the heat is directed evenly against all sides of the caldron. This construction secures the use of all the heat generated and very little heat is wasted. The furnaces are shipped with legs and provided with handles so they can be set almost anywhere. They can be used out-of-doors and are instantly ready for use when the smoke pipe is attached. The fire boxes in the furnaces of the respective sizes are made for suitable lengths of wood. Coal furnaces are provided with coal grate and heavy fire-brick.

STYLE.	15 Gal. ½ Bbl.	22 Gal. ¾ Bbl.	30 Gal. 1 Bbl.	45 Gal. 1½ Bbl.	60 Gal. 2 Bbl.	90 Gal. 3 Bbl.	120 Gal. 4 Bbl.
Furnace and Caldron, wood ….	$12.25	$15.25	$18.75	$21.75	$25.00	$44.00	$57.50
Caldron…………	3.50	4.50	5.25	7.00	8.00	15.00	21.50
Cover……………	1.25	1.75	2.00	2.25	2.50	4.00	5.50

NATIONAL CIDER MILL.

FARMERS' SIZE.

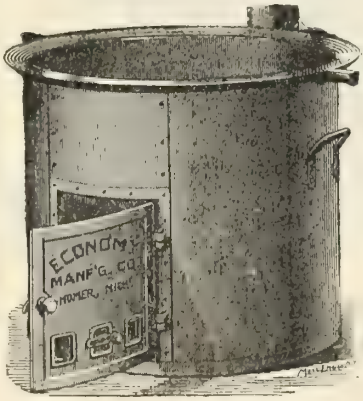

AMES PLOW CO.

This mill is constructed upon new principles, avoiding the defects in all other mills. The grinding arrangement works in such a manner that the cells of the fruit are all broken and fine pomace produced; a larger per centage of juice is obtained making more cider from a given quantity of apples than can be made by other mills.

Capacity is six to eight barrels per day.

List Price, $28.00. Net Price. $23.00.

Economy Boilers.


ECONOMY MANF'G. CO.

No Farmer can afford to be without a farm boiler or large kettle of some kind. The Economy, shown in cut, is the cheapest of any on the market.

For out-door use only.

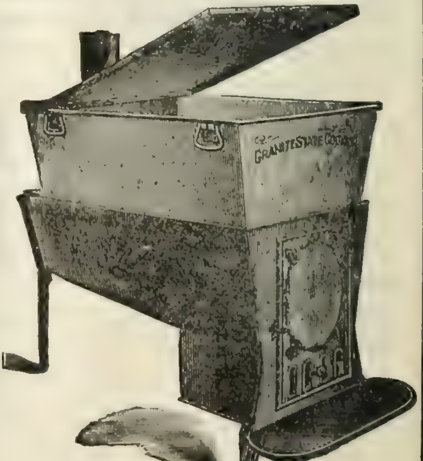
PRICES.

		Net Cash Price.
33 Gal.	List, $14.00	$ 9.25
48 Gal.	" 16.00	10.50
65 Gal.	" 20.00	13.00

Other sizes furnished if desired.

"Granite State" Water Heater.

For Butchers and Milkmen.



Boilers of galvanized steel; furnace of gray iron castings and sheet steel; sides of double thickness of steel with hot air space between.

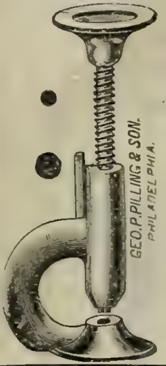
PRICES.

25 gal.	$15.00	50 gal.	$21.00
30 gal.	16.50	65 gal.	22.50
40 gal.	19.50	75 gal.	24.00
100 gal.	$27.00		

Discount for cash, 10 per cent.

VETERINARY INSTRUMENTS

EVERYTHING SHOWN ON THIS PAGE WILL BE SENT POSTPAID ON RECEIPT OF PRINTED PRICE

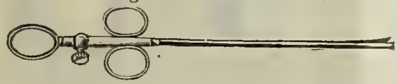


PHILADELPHIA POULTRY MARKER

Do you keep a record of chickens? The different breeds, hatches, etc., should be kept. There is no better or quicker way than by this marker, as over 200 different marks can be made by punching web between toes. They are well made with steel spring and cutter, nicely nickel plated. Made in two sizes. Sent postpaid on receipt of price, 25 cents each.

STRICTURE INSTRUMENTS

For cutting strictures in cows' teats.



Pilling's Three-Ring Stricture Cutter.

Price $3.00.

Pilling's Plain Teat Slitter.

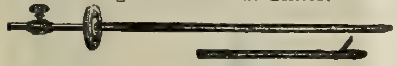
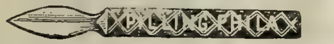


Illustration shows instrument both open for cutting and closed for inserting. Plated, $1.50

French Poultry Killing Knife.

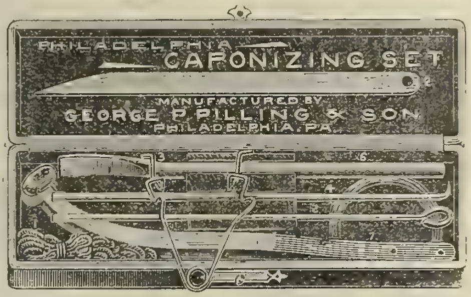


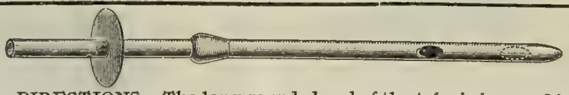
Every poultry raiser should have one of our Killing Knives. They are made of finely tempered instrument steel, with nickeled handle; will last a life time. It will be one of the best investments you ever made. Sent postpaid on receipt of 50 cents.

PILLING'S CAPONIZING TOOLS.

Poultrymen can double their profits by Caponizing their chicks. The operation is very simple—the instruction so full and explicit that anyone will be able to perform the operation. The demand for Capons far exceeds the supply, the price per pound being twice as much as for ordinary chicks. The object of Caponizing is to largely increase the weight of the fowl, causing them, in many cases, to grow as large as turkeys and weighing from 10 to 15 pounds, to make the meat a finer and sweeter flavor and very juicy and tender. Again Capons are worth $1.00 to $1.50 more than cocks not Caponized. They are very much quieter in disposition.

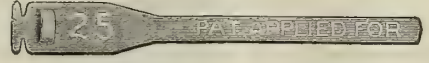
Complete with instructions, $2.50. In Velvet-lined case as per Engraving, $2.75. We send book, "Complete Guide for Caponizing," with every set.





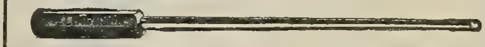
MILKING TUBES for Sore and Obstructed Teats and Hard Milking Cows.

DIRECTIONS.—The long rounded end of the tube is inserted in the orifice of teat, when the milk will flow without the use of the hands. It is best to wet the Tube with a drop of milk or water before using. Remove tube when milk ceases to flow. If in some cases, the obstruction is further up the teat than can be passed by the regular length, you should have a longer tube, and as it can be made any length, answers for all purposes. German Silver plated, 2½ in., 25c.; 3 in., 35c.; 3½ in., 45c. Common White Metal, 2½ in., 20c.; 3 in., 30c.; 3¼ in., 40c.

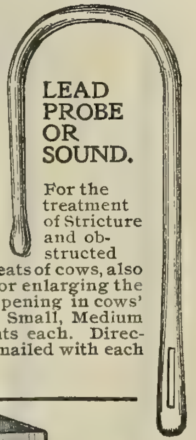


Aluminum Tag Bonds. Made of one piece; two sizes; will fit any fowl; impossible to lose. In ordering give breed. Price, postpaid, doz. 20c.

Pilling's Improved Instrument for Opening Obstructed Teats.

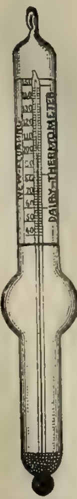


The above instrument for opening obstructed (cows) teats. There has been a demand for some simple remedy for this purpose, which we think is now filled by this little instrument, being highly endorsed by some of the best Veterinary Surgeons of the Country for its very successful, and at the same time harmless and simple use, so that any person of average intelligence can use it with perfect safety. We send it securely packed in neat box, with full instructions, postpaid, on receipt of price. 75 cents.



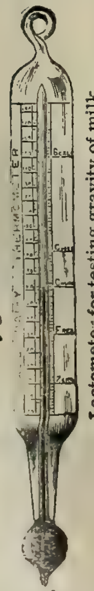
LEAD PROBE OR SOUND.

For the treatment of Stricture and obstructed teats of cows, also for enlarging the opening in cows' teats. Made in three sizes: Small, Medium and Large, postpaid 25 cents each. Directions for using Lead Probe mailed with each one.



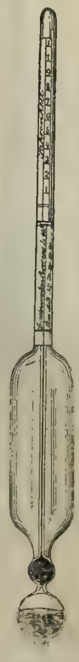
Floating Dairy with bulb always upright.

Price 50c.



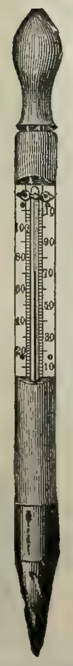
Common Dairy graduated for Dairy use.

Price 25c.



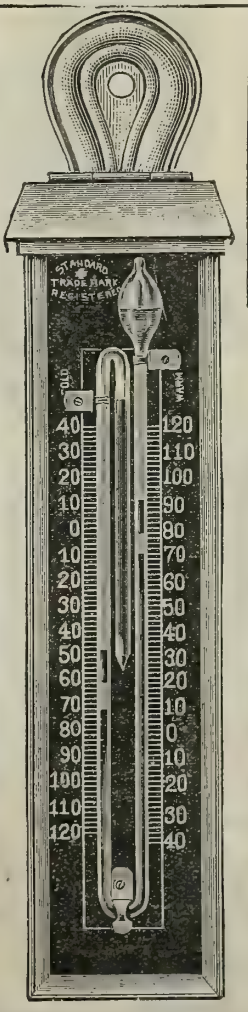
Lactometer for testing gravity of milk.

Price 65c.



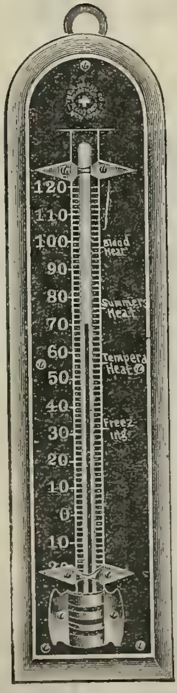
Hot Bed Thermometer.

Price $1.50



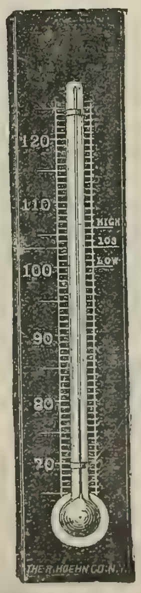
Self Registering Extreme Heat or Cold.

Price $2.00



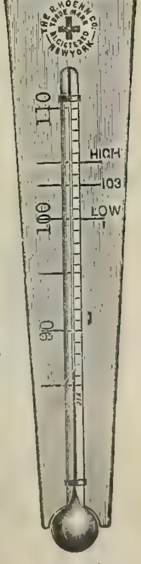
House Thermometer—Wood Back.

Price 85c.


HIGH
103
LOW
THE R. HOEHN CO. N.Y.

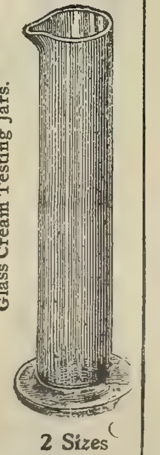
Common Incubator.

Price 50c.



Bevel Incubator.

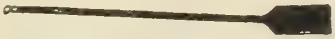
Price 50c.



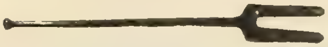
Glass Cream Testing Jars.

2 Sizes

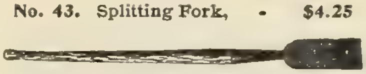
Price 60 & 75c.



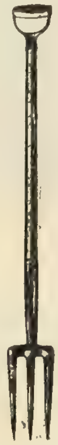
No. 44. Calking Bar, - - **$2.50**



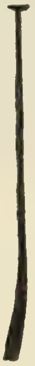
No. 43. Splitting Fork, - **$4.25**



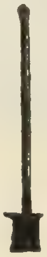
No. 47. Socket Packing Chisel, **$3.25**



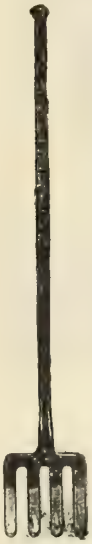
No. 135.
Ice Breaker.
Price, **$3.50**



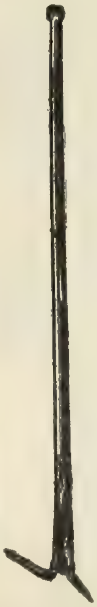
No. 45.
Starting
Chisel.
Price, **$3.25**



No. 41.
House
Bar.
Price, **$2.50**



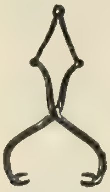
No. 42.
Fork Bar.
Four Prong.
Price, **$4.25**



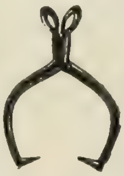
No. 16.

No. 16 ICE HOOKS.

	List.	Each.
3 ft.,	$ 9.00	$ .75
3½ "	9.00	.75
4 "	9.25	.80
4½ "	9.25	.80
5 "	9.50	.90
6 "	10.00	.95
8 "	11.75	1.05
10 "	12.50	1.15
12 "	14.00	1.25
15 "	15.50	1.35
18 "	17.00	1.50



No. 33.
Hoisting
Tongs
with
Claw
Points.
Price, **$4.50**

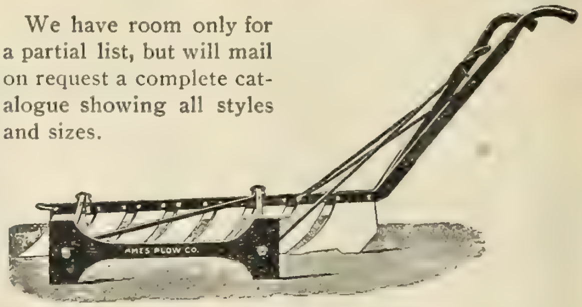


No, 30.
Swell Pattern Steel
Tongs.

	List.	Retail.
15 in.,	$12.75	$ .90
18 "	14.50	1.00
21 "	15.50	1.10
24 "	17.00	1.15
27 "	18.00	1.20

AMES Ice Plows and Markers

We have room only for a partial list, but will mail on request a complete catalogue showing all styles and sizes.

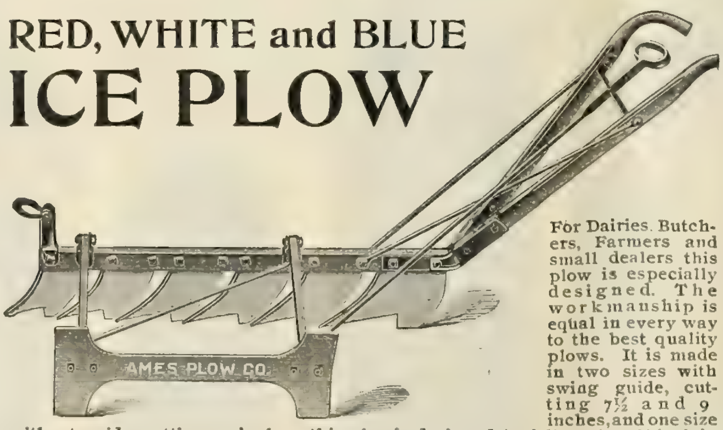

AMES PLOW CO.

The following are the regular sizes:

6	inch, with	7	cutting teeth, and improved clearing tooth,	$37.00
6	" "	9	" " " " " "	43.00
7	" "	7	" " " " " "	39.00
8	" "	7	" " " " " "	43.00
8	" "	8	" " " " " "	45.00
9	" "	7	" " " " " "	46.00
10	" "	6	" " " " " "	48.00
12	" "	5	" " " " " "	53.00
14	" "	5	" " " " " "	60.00

If with Swing Guide, 22 in. or smaller, add...... $7.50.
If with Swing Guide, 24 to 28 inch, add......... 8.00.
If with Swing Guide, 30 to 36 inch, double braced, add.................................. 9.00.
Adjustable Swing Guide, (8 inch adjustment) to price of Swing Guide, add.................. 2.00.

RED, WHITE and BLUE
ICE PLOW


AMES PLOW CO.

For Dairies. Butchers, Farmers and small dealers this plow is especially designed. The workmanship is equal in every way to the best quality plows. It is made in two sizes with swing guide, cutting 7½ and 9 inches, and one size without guide, cutting 11 inches; this size is designed to follow the 7½ inch in cutting thick ice.

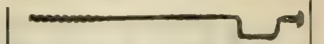
PRICES: 7½ in. with Imp. Clearing Tooth and 22 in. swing guide......$25.00
9 " " " " " " " 30.00
11 " " " " " no guide...... 30.00
Adjustable Swing Guide for marking 16, 18, 20 and 22 in., extra, $1.50
Swing Guide for marking, extra, $1.00.

WE HANDLE A COMPLETE LINE OF

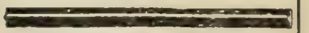
ICE ✦ TOOLS

DEALERS AND ICEMEN WRITE FOR

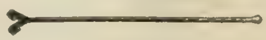
DISCOUNT.



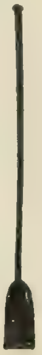
No. 9. Ice Auger, 1½ in., **$3.00**



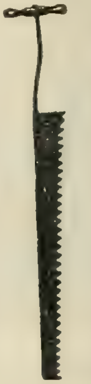
No. 72. Iron Run. (Drilled.)
Per Foot, **7 cents.**



No. 8. Line Marker, - 90c.

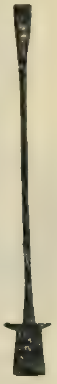


No. 46.
Bar or
Packing
Chisel.
Price,
$3.25

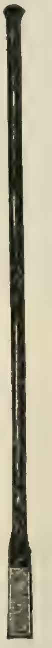


No. 15.
Ice Saw.

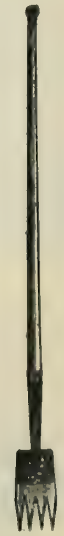
4 ft.,	$3.00
4½ "	3.25
5 "	3.50



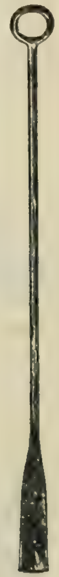
No. 39.
Breaking
Bar.
Price,
$3.25



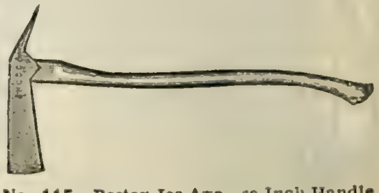
No. 50.
Splitting
Chisel.
Price,
$2.25



No. 136.
Ice
Shaver.
Price,
$2.25

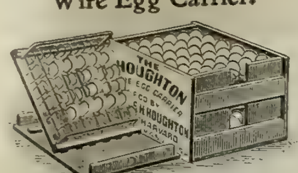


No. 51.
Ring
Handle
Splitting
Chisel.
Price,
$2.50



No. 115. Boston Ice Axe. 30-Inch Handle.
Price, - - **$1.75**

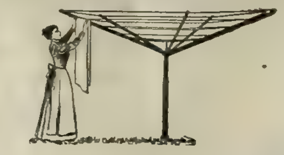
Wire Egg Carrier.


THE HOUGHTON EGG CARRIER MFD BY S. H. HOUGHTON HARVARD MASS.

The latest and best invention for handling eggs.

6 doz...each	$1.00	25 doz...each	$2.00
9 " .. "	1.25	30 " .. "	2.25
15 " .. "	1.50	36 " .. "	2.50
20 " .. "	1.75		

Our Special Out-Door Dryer



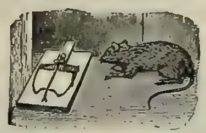
Made of Best Stock; Cotton Line.

110 Foot Line.................. $4.00

150 " " 4.50

Above includes box to go into the ground.

Out-of-Sight Rat and Mouse Trap.

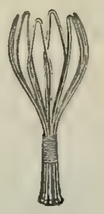


Here is your rat, where is your cat? Never mind, if you have this trap.

For Rats.............. 20 cts.

For Mice.............. 20 cts.

Fruit Pickers.



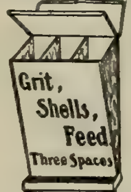
The Peerless. Very handy for gathering apples, pears or plums.

Price, Peerless.......... 25 cts.

Price, Young's........... 2[illegible] cts.

"Sanitary" Self Feeding Box

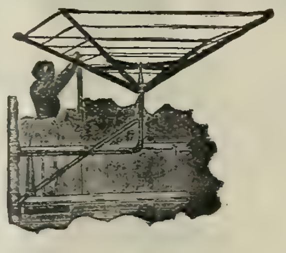
Called Grit Box for short.



Three spaces. Made of heavy galvanized iron; will last a life time; saves waste; hangs on a nail; holds four quarts; soon pays for itself.

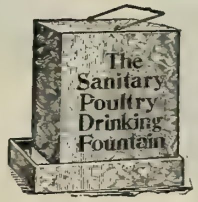
Price.......... 50 cts.

Hill's Balcony Dryer.



The best Dryer made for balconies. Endorsed by all the leading architects.

List Price, $12.00. Disc. for cash, $1.00.

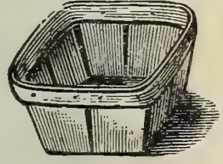


Can be thoroughly and easily cleaned and filled in a minute. Will go into any brooder. No danger from drowning. Is not injured by freezing. Hangs upon a nail out of the dirt.

One Gallon............... 50 cts.

Two Gallon.............. 85 cts.

Strawberry Baskets.



Fruit put up in a neat package always commands a better price than that shipped in cheap baskets.

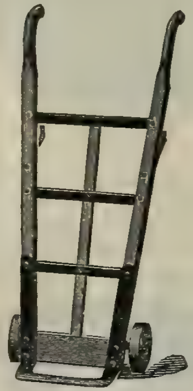
Order early; do not delay until the goods are wanted, and then expect them the next day.

Prices—No. 1, all White Stock, wire tacked. 100, 50c.; 1000, $3.50.

Close Corner, or Huckleberry baskets. 100, 60c.; 1000, $4.00.

Special price on lots of 5000 or over.

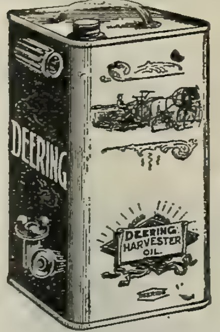
Barn and Store Trucks.



Made of hard wood, and wheels run on steel axle.

Price........... $2.25

Deering Machine Oil.

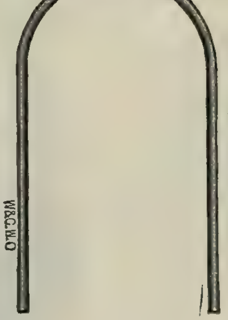


Never use cheap oil; the best is none too good. If you buy Deering Oil your machines will run easy.

Price, 2 Qt. Can......... 40c.

Price, 4 Qt. Can......... 75c.

Lawn and Flower Bed Wickets

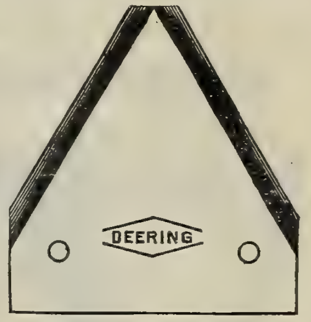


Protect flower beds from dogs, cats or children; very ornamental; painted green.

Per Dozen, heavy....50 cts.

Per Dozen, light.....35 cts.

Mowing Machine Sections.

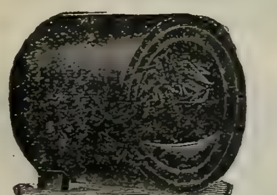


Deering,	Wood,
Buckeye,	McCormick,
Champion,	Osborne.

Each, 6c.; per 100, $5.00.

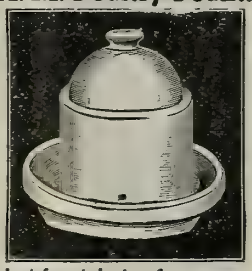
Give size of section, or send old one for pattern.

W. R. Poultry Fountain.



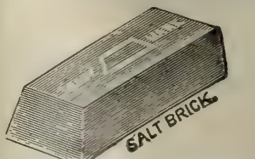
Very handy and convenient. 2 qts. 20c.; 4 qts. 30c.; 8 qts. 40c.

E. H. M. Poultry Fountain.



Easiest fountain to clean ever made. 1 qt. 25c, 2 qts. 30c, 4 qts. 35c, 8 qts. 50c.

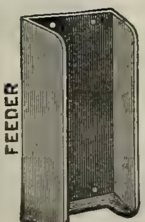
Do Your Cattle and Horses Always Get Salt?



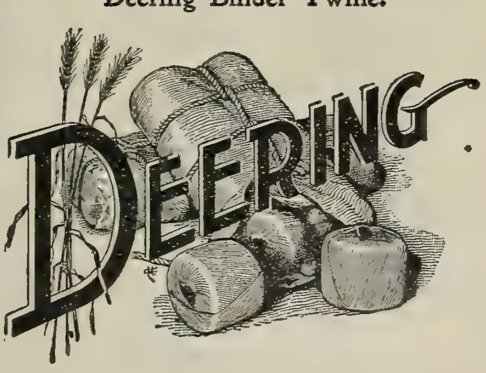
Salt Brick, 20 cts. Dozen, $2.00.

This method of feeding pure salt to stock has been adopted in the largest stables and grows in favor daily. All first-class stables should have it.

Salt Brick Holder, 25c.



Deering Binder Twine.



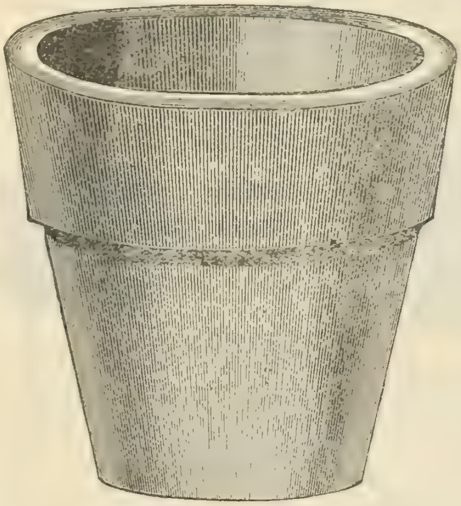
Manila or Sisal Binder Twine, for grain reapers or corn harvesters. This is also used for tying vegetables for the market; is much cheaper than raffia, and not as much work to tie. It is put up in 5 pound balls, a very convenient size.

Price per pound........ 15 cents.

PRICE LIST OF A. H. HEWES STANDARD FLOWER POTS

If You Buy STANDARD POTS You Will Not Be Disappointed—As They Always Give Perfect Satisfaction.

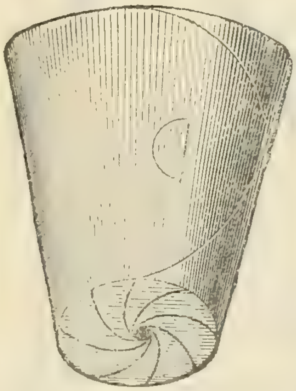
STANDARD POTS.



2 1-4 inch.

Price per M, ... $9.00

Neponset Flower Pots



Every florist knows that plants and cuttings packed for shipment in paper, by the ordinary method, are often broken and ruined in transportation. No cheaper and more satisfactory mode of protecting plants in transit is known than the use of the NEPONSET FLOWER POTS. They are the cheapest pots on the market. Made from the well known NEPONSET WATER-PROOF FABRIC, and for lightness, cleanliness, and cheapness have no equal. You ought to know that for many purposes they are far superior to clay pots, as, being waterproof, they retain the moisture, so that the plants do not require watering as often.

Weights and Net Prices.

These pots nest closely for shipment and are so light that one thousand 3-in. only weigh as much as 110 clay pots, same size. The freight is, therefore, a mere fraction.

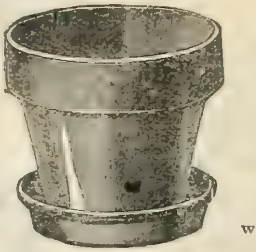
WEIGHT PRICE

Packed for Shipment.

No.	Size			Weight		Per 100	Per 1000
1000	2¼	inch	Pots	20	pounds.	$0.25	$2.20
1000	2½	"	"	23	"	.30	2.40
1000	3	"	"	33	"	.45	3.90
1000	3½	"	"	44	"	.60	5.15
500	4	"	"	38	"	.80	6.90
500	5	"	"	56	"	1.20	10.35
500	6	"	"	74	"	1.65	14.55

Not less than original crates 1000 rate.

SAMPLES BY MAIL.



FLOWER POTS AND SAUCERS. STANDARD.

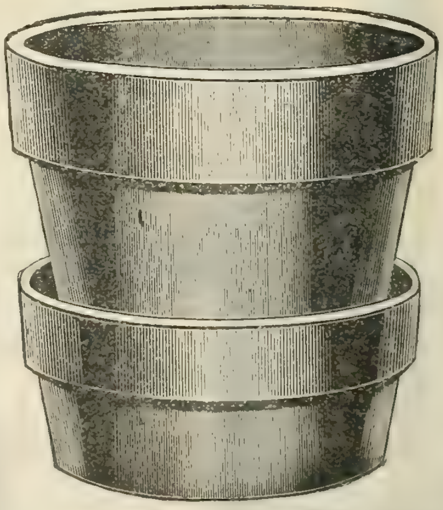
WITH RIMS.

Inside measurement, width and depth equal.

Size.	Per M.	Size.	Per M.
1¾ in.	$7.00	2½ in.	$11.00
2 in.	8.00	2¾ in.	12.50
2¼ in.	9.00	3 in.	14.00

Size.		Pots.	Saucers.	P.&S.
4 in.	per hund.	$ 2.20	$ 1.80	$ 4.00
5 in.	"	4.00	2.25	6.25
6 in.	"	6.00	3.00	9.00
7 in.	"	10.00	4.00	14.00
8 in.	"	14.00	6.00	20.00
9 in.	"	20.00	8.00	28.00
10 in.	"	27.00	10.00	37.00
11 in.	"	36.00	12.00	48.00
12 in.	"	50.00	15.00	65.00
13 in.	"	75.00	20.00	95.00
14 in.	each	1.00	.25	1.25
15 in.	"	1.50	.30	1.80
16 in.	"	2.00	.35	2.35
18 in.	"	3.00	.50	3.50

CALLA LILY POTS.



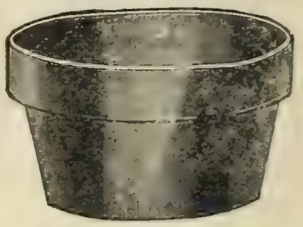
No. 304.—UNPAINTED.

8 in., each, ...	30c
10 in., each, ...	60c

No. 305.—PAINTED RED.

8 in., each, ...	50c
10 in., each., ...	75c

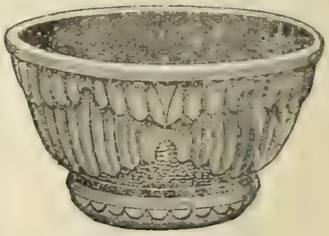
ROUND SEED PANS.



No. 309.

6 in.	Round,	per hund.,	$6.00
7 in.	"	"	8.00
8 in.	"	"	10.00
9 in.	"	"	14.00
10 in.	"	"	18.00
12 in.	"	"	25.00
14 in.	"	"	50.00

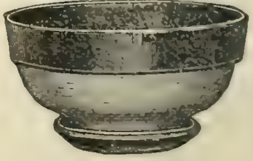
HANGING VASE.



No. 406.

7 in., each, 20c.	Doz.,	$2.00
8 in., each, 25c.	Doz.,	2.50
9 in., each, 30c.	Doz.,	3.00

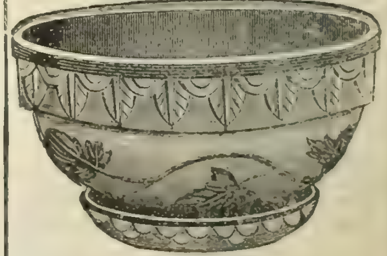
HANGING VASE.



No. 268.

6½ in., each, 15c. Doz., $1.50

HANGING VASE.



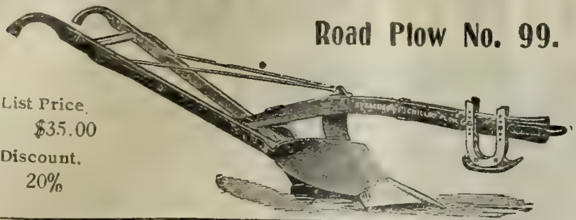
No. 333.

7 in., each,	20c.	Per dozen,	$2.00
8 in., each,	25c.	Per dozen,	2.50
9 in., each,	30c.	Per dozen,	3.00

Discount on Standard Pots and Seed Pans, 20 Per Cent for any Quantity Less than 100—Lots of 100 or Over 25 Per Cent—500 and Over 40 Per Cent—Larger Lots Ask for Price.—Hanging Vases and Calla Pots are Net.

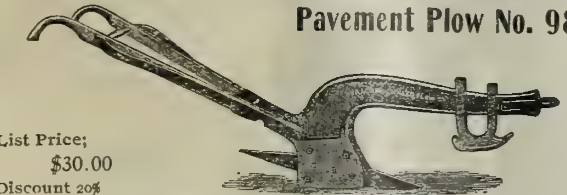
CONTRACTORS' AND ROAD-BUILDERS' SUPPLIES.

Road Plow No. 99.



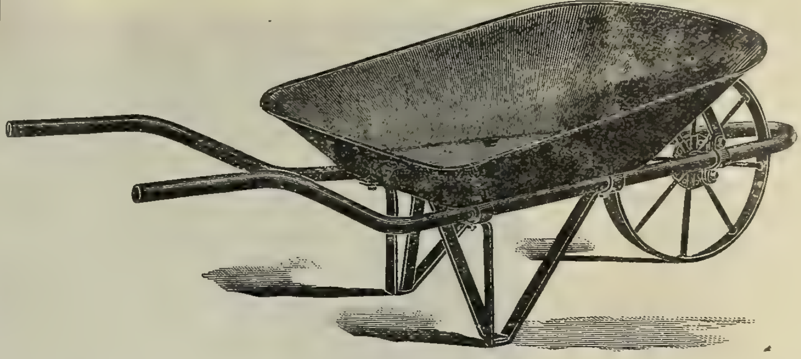
List Price
$35.00
Discount.
20%

Pavement Plow No. 98.



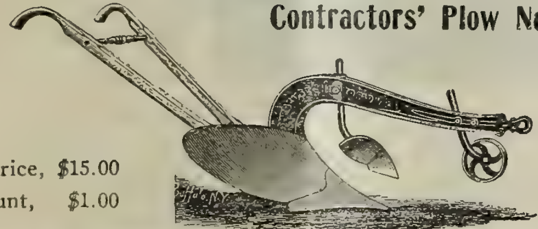
List Price;
$30.00
Discount 20%

Tubular Steel Barrow with Pressed Steel Bowl.



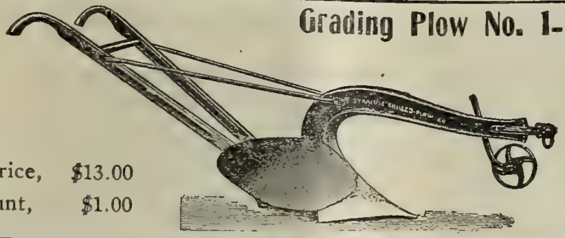
EACH, - - $5.00.

Contractors' Plow No. 1



List Price, $15.00
Discount, $1.00

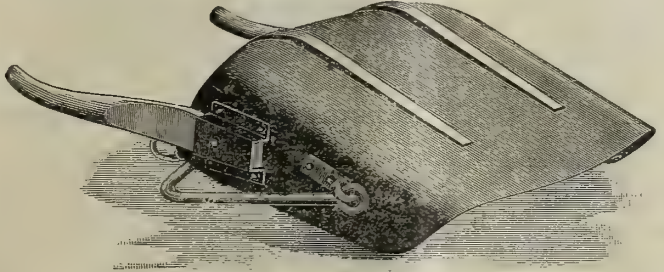
Grading Plow No. 1-78



List Price, $13.00
Discount, $1.00

Boss Steel Scraper, with Runners.

PRESSED STEEL BOWL.



No. 0, carries 10 feet of earth,	$11.00
No. 1, " 7 " "	7.00
No. 2, " 5 " "	6.50
No. 3, carries 3 feet of earth,	$ 6.00
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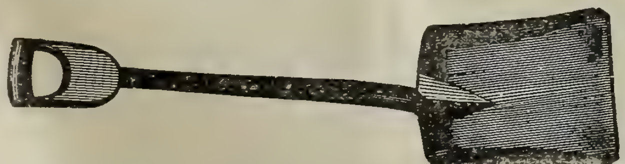

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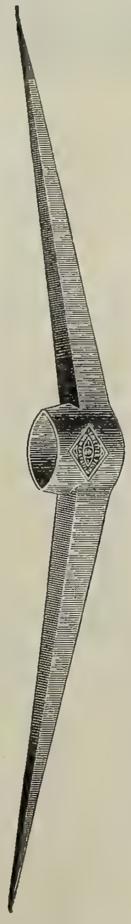

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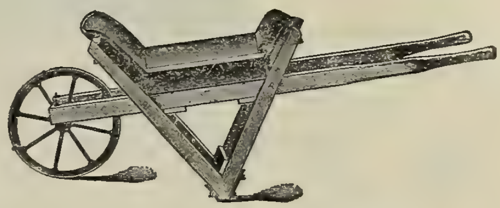

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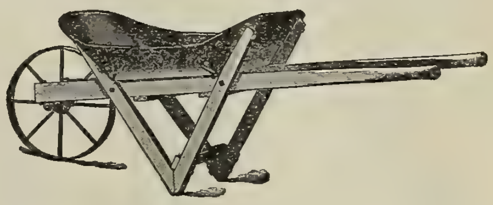
Klondike Steel Tray Dump Barrow.



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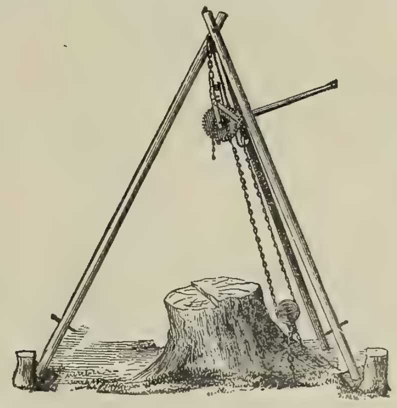
Steel Wheel and Iron Shoes.....	$2.75	$30.00

Stump Puller and Rock Lifter.



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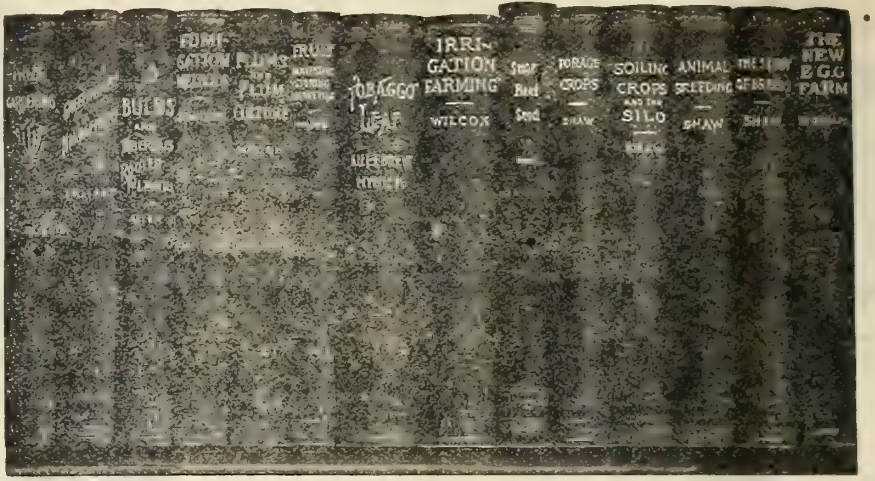

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Weight of Grass and Field Seeds and Quantities Required per Acre

		Weights.	Quantity per Acre.
Timothy	per bush.	45 lbs.	½ bush.
Clover, Red	"	60 lbs.	15 to 20 lbs.
Clover, White	"	60 lbs.	10 to 15 lbs.
Clover, Alfalfa	"	60 lbs.	15 to 20 lbs.
Clover, Alsike	"	60 lbs.	8 to 10 lbs.
Red Top	per bush.	11 lbs.	2½ to 3 bush.
Red Top, Fancy			10 to 15 lbs.
Bent, R. I.	per bush.	10 lbs.	3 bush.
Blue Grass	per bush.	14 lbs.	2 to 3 bush.
Fowl Meadow	"	11 lbs.	1 to 2 bush.
Lawn Grass, Park	"	20 lbs.	3½ to 4 bush.
Lawn Grass, Worcester	"	25 lbs.	75 to 85 lbs.
Millet, German	"	50 lbs.	1 bush.
Millet, Hungarian	"	48 lbs.	1 bush.
Millet, Japanese	"	35 lbs.	15 lbs.
Millet, Siberian or Russian	"	50 lbs.	1 bush.
Orchard Grass	"	14 lbs.	2 to 3 bush.
Crested Dog's Tail	"	28 lbs.	1 bush.
Hard Fescue	"	14 lbs.	2 bush.
Italian Rye Grass	"	18 lbs.	3 bush.
Meadow Fescue	"	15 lbs.	2½ to 3 bush.
Meadow Foxtail	"	8 lbs.	3 bush.
Perennial Rye Grass	"	24 lbs.	2 bush.
Rough Stalked Meadow	"	14 lbs.	2 bush.
Sweet Vernal	"	11 lbs.	3 bush.
Sheep Fescue	"	12 lbs.	2 bush.

		Weights.	Quantity per Acre.
Tall Fescue	"	15 lbs.	2½ to 3 bush.
Tall Oat Grass	"	12 lbs.	4 bush.
Wood Meadow	"	14 lbs.	2 bush.
Yellow Oat Grass	"	8 lbs.	4 bush.
Buckwheat	"	48 lbs.	½ to 1 bush.
Barley	"	48 lbs.	2 to 3 bush.
Oats	"	32 lbs.	2 to 3 bush.
Rye	"	56 lbs.	1½ bush.
Wheat	"	60 lbs.	1½ bush.
Flax	"	56 lbs.	1 to 2 bush.
Canary	"	60 lbs.	
Hemp	"	40 lbs.	
Rape	"	50 lbs.	
Rape, Dwarf Essex			3 to 6 lbs.
Beans	"	60 lbs.	1 to 1½ bush.
Beans, Soja	"	60 lbs.	½ to 1 bush.
Corn, Sweet, measured bush			12 quarts.
Corn, Ensilage	"	56 lbs.	½ bush.
Corn, Field	"	56 lbs.	8 to 12 quarts.
Corn, Kaffir			in drills, 10 quarts.
Peas, Garden, Wrinkled	"	56 lbs.	2 bush.
Peas, Garden, Smooth	"	60 lbs.	1 to 1½ bush.
Peas, Canada Field	"	60 lbs.	1½ to 3 bush.
Peas, Cow	"	60 lbs.	in drills, 12 quarts. broadcast, 1 to 2 bush.
Vetch	"	60 lbs.	1 bush.
Sorghum (Sugar Cane)			75 to 100 lbs.

Quantity of Seed Required to Sow an Acre

	Quantity per Acre.
Artichoke, 1 oz. to 500 plants	½ lb.
Asparagus, 1 oz. to 200 plants	5 lbs.
Beans, dwarf, 1 qt. to 150 feet of drill	1 to 1½ bush.
Beans, Pole, 2 qts. to 200 hills	1 bush.
Beet, Garden, 1 oz. to 100 feet of drill	10 lbs.
Beet, Mangel, 1 oz. to 150 feet of drill	6 lbs.
Broccoli, 1 oz. to 3,000 plants	5 oz.
Broom Corn	10 lbs.
Brussels Sprouts, 1 oz. to 3,000 plants	5 oz.
Cabbage, 1 oz. to 3,000 plants	5 oz.
Carrot, 1 oz. to 150 feet of drill	2½ lbs.
Cauliflower, 1 oz. to 2,000 plants	5 oz.
Celery, 1 oz. to 10,000 plants	4 oz.
Collards, 1 oz. to 2,500 plants	6 oz.
Corn, sweet, 1 quart to 500 hills	12 qts.
Cress, 1 oz. to 150 feet of drill	8 lbs.
Cucumber, 1 oz. to 80 hills	1½ lbs.
Egg Plant, 1 oz. to 2,000 plants	8 oz.
Endive, 1 oz. to 300 feet of drill	3 lbs.
Kale, 1 oz. to 3,000 plants	4 oz.
Kohl-Rabi, 1 oz. to 200 feet of drill	1½ lbs.
Leek, 1 oz. to 250 feet of drill	4 lbs.
Lettuce, 1 oz. to 250 feet of drill	3 lbs.

	Quantity per Acre.
Martynia, 1 oz. to 50 feet of drill	10 lbs.
Melon, Musk, 1 oz. to 100 hills	1¾ lbs.
Melon, Water, 1 oz. to 25 hills	1½ lbs.
Nasturtium, 1 oz. to 50 feet of drill	10 lbs.
Okra, 1 oz. to 50 feet of drill	10 lbs.
Onion Seed, 1 oz. to 200 feet of drill	4 to 5 lbs.
Onion Seed for Sets	30 to 50 lbs.
Onion Sets, 1 qt. to 20 feet of drill	10 bush.
Parsnip, 1 oz. to 250 feet of drill	5 lbs.
Parsley, 1 oz. to 250 feet of drill	8 lbs.
Peas, Garden, 1 qt. to 150 feet of drill	1½ to 2 bush.
Pepper, 1 oz. to 1,500 plants	4 oz.
Potatoes	10 bush.
Pumpkins, 1 quart to 300 hills	4 qts.
Radish, 1 oz. to 150 feet of drill	8 lbs.
Salsify, 1 oz. to 60 feet of drill	8 lbs.
Spinach, 1 oz. to 150 feet of drill	10 lbs.
Summer Savory, 1 oz. to 500 feet of drill	2 lbs.
Squash, Summer, 1 oz. to 40 hills	2 lbs.
Squash, Winter, 1 oz. to 10 hills	3 lbs.
Tomato, 1 oz. to 3,000 plants	3 oz.
Tobacco, 1 oz. to 5,000 plants	2 oz.
Turnip, 1 oz. to 250 feet of drill	1½ lbs.

Number of Plants, Trees, etc., Required to Set an Acre

Distance.	Number.
1 foot by 1 foot	43,560
1½ " 1½ "	19,360
2 " 1 "	21,780
2 " 2 "	10,890
2½ " 2½ "	6,970
3 " 1 "	14,520
3 " 2 "	7,260
3 " 3 "	4,840
4 " 4 "	2,722
5 " 5 "	1,742

Distance.	Number.
6 feet by 6 feet	1,210
8 " 8 "	680
10 " 10 "	434
12 " 12 "	302
15 " 15 "	194
18 " 18 "	134
20 " 20 "	103
25 " 25 "	70
30 " 30 "	40
40 " 40 "	27

INDEX.

VEGETABLE SEEDS

Page
Asparagus 17
Beans 1, 18, 19, 20
Beet 20
Brussels Sprouts 20
Cabbage 6, 21
Cauliflower 22
Celery 23
COLLECTIONS
Dollar collection of Vegetable Seeds 9
Page
Children's Collections 15
Corn, Sweet 24
Corn, Field, Fodder and Ensilage 2, 3, 4, 25
Cress 23
Cucumber 26
Dandelion 26
Egg Plant 26
Endive 26
Herbs 38
Page
Kale 26
Kohl Rabi 26
Lettuce 8, 27
Melon, Musk 28
Melon, Water 29
Onion 30
Onion Sets 31
Parsley 31
Parsnip 31
Pepper 31
Page
Peas 7, 8, 31, 32
Potatoes 4, 5, 33, 34
Pumpkin 31
Radish 9, 35
Salsify 35
Squash 9, 35, 36
Tomato 9, 37
Turnip 38

GRAIN AND MISCELLANEOUS SEEDS FOR FORAGE CROPS

Page
Barley 39
Buckwheat 39
Canada Peas 40
Page
Cow Peas 41
Kafir Corn 40
Rape 39
Page
Rye 39
Soy Beans 41
Sugar Cane 40
Page
Wheat 39
Vetch 40

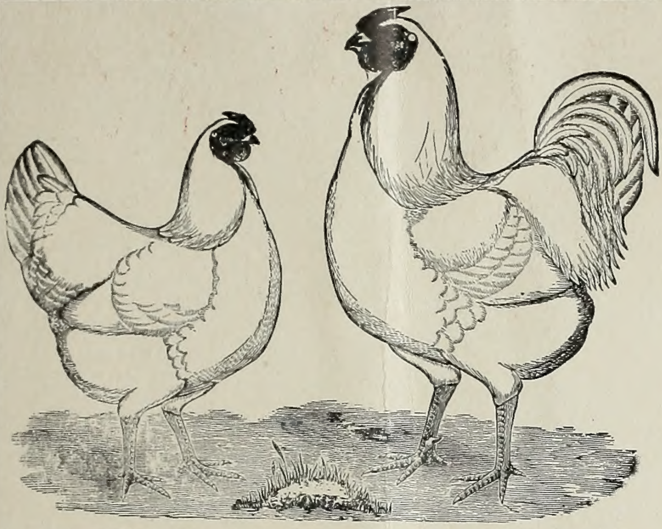
FLOWER SEEDS, Novelties, pages 10-15; General List, pages 45 63.

BULBS, Dahlia, pages 16, 65, 66, 67; Gladiolus, pages 68, 69, 70; Canna and Miscellaneous, pages 64, 70.

STRAWBERRY PLANTS, page 70.

FERTILIZERS, TOOLS, IMPLEMENTS, POULTRY SUPPLIES, ETC.

A
Page
Atomizers 96, 97
B
Barrows 117, 133
Basins, Buckley 114
Baskets, Strawberry 131
Boats, Stone 81
Books, Farm 134
Bottles, Milk 93
Box, Grit 131
Boxes, Butter 94
Boxes, Egg 109
Brooders 104, 105, 106
C
Carrier, Butter 94
Carriers, Egg 131
" Hay 92
Carts, Steel 114
Catcher, grass 113
Cauldrons 128
Churns, Bbl 93
" Cylinder 94
Contractors' Tools 133
Cooler, Milk 94
Cultivators, Riding 81
" Spring Tooth 89
" Walking 88
Cushions, Spring 117
Cutters, Bone 108, 109
" Clover 109
" Ensilage 118, 119
" Hand Lever 126
" Vegetable 126
D
Digger, Hitchcock Potato 87
Dressing, Harness 127
Drill, Superior Grain 82
Dryers, Clothes 131
E
Egg Turner 108
Engines, Gasoline 121
" Steam 122
F
Page
Feeders, Calf 114
" Chick 114
Fencing, American Field 110
" Union Lock 109
Fertilizers, Bradley's 74
" Essex 72
" Lawn 73
" Mapes 75
Flintkote Roofing 109
Food, Every Morning Mash 103
" Poultry, Horse and Cattle 107
" Pratt's Poultry 108
" Scratch 103
" Wyandotte 103
Fountains, Poultry 108, 131
Freezers 126
G
Grinders, Kelly 119
Grindstones 125
Guard, Flower Bed 113
Guns, Powder 96, 98, 99
H
Harness, Baker 89
" Sherwood 89
Harrows 79, 80, 82
Harvester, Corn 90
Heaters, Tank 117
Hoe, Prout's 79
Hoes, Arlington Slide 86
" New Model Horse 87
" Planet, Jr. 85-87
" Sheldon Wheel 86
" Sunnyside 86
Hose, Rubber 98
I
Ice Tools 130
Incubators 104
Insecticides 101
L
Page
Lanterns 127
Lawn Fertilizer 73
Limite 95
M
Machines, Mowing 90
Manure, Sheep 73
Marker, Field 87
Menders, Hose 98
Mills, Cider 128
" Saw 124
" Wind 121
Moulds, Butter 93
Mowers, Horse Lawn 113
Mowers, Lawn 111, 112, 113
N
Netting, Poultry 109, 110
Nitro-Culture 71
Nozzles, Spray 96, 99
O
Oil 131
P
Pails, Milk 94
" 95, 114
Paint, Cold Water 95
Paper, Parchment 95
Picks 133
Planet Jr. Tools 85
Planters, Hand 82
" Horse 83
" Potato 83
Plows 76, 78
" Contractors' 133
" Shovel 89
Pots, Flower 132
Powers, Tread 121
Pullers, Stump 133
Pumps, Spray 96, 97
" House and Stock 100
R
Racks, Tool 117
Raffia 127
Page
Rakes 91
Reels, Hose 113
Rollers, Hand Lawn 88
Rollers, Steel 82, 88
S
Salt Bricks 131
Saws, Power 122
Scales 94
" Milk 95
Scrapers 133
Sections, Mower 131
Separators 95
" De Laval 93
Shakers, Perfection 98
Sheller, Corn 125
Shovels 133
Silos 120
Sowers, Fertilizer and Seed 84
Sprayers 98, 99
" Four Row 100
Spreaders, Manure 81
Sprinkler, Lawn 111
Stanchions 114
Steel Goods 116
Sweeper, Lawn 113
Swing, " 113
T
Tanks 124
Tedders 91
Thermometers 129
Tools, Miscellaneous 102, 116
Trap, Out o' sight 131
Troughs, Hog 95
Trucks 131
Twine, Binder 131
W
Veterinary Instruments 129
Vises 117
Wagon, Handy 123
Weeders, Keystone 89
Wickets, Lawn 131
Worker, Butter 94



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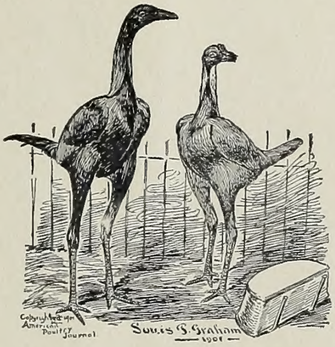


ARD-NA-CLACHAN BLACK RED GAME BANTAMS.

We purchased the entire stock of Black Red Bantams at the Ard-na-Clachan sale and offer a few settings of eggs only. Mr. Moen paid $75.00 for the trio of birds that produced this stock. They are the best in the land. Order early, as we shall sell only a limited number of settings.

Valuable Poultry Books

Cheap.

We believe that everyone interested in Poultry should have some reliable book for reference, and we have therefore made arrangements with the publishers to furnish the following books, all sent postpaid at price quoted.

Artificial Incubating and Brooding.

A practical work contributed by the most experienced operator of incubators in America. 140 pp., 7 x 10; 100 illustrations; 8 full page designs. It contains full and complete instructions on the use and abuse of incubators.
Price, only 50 cents.

Eggs and Egg Farms.

The mainstay of the poultry business. The book you have been looking for. Contains a large collection of facts. Covers the ground you will have to travel if you are starting in the poultry business. Eighty pages. Price, only 50 cents.

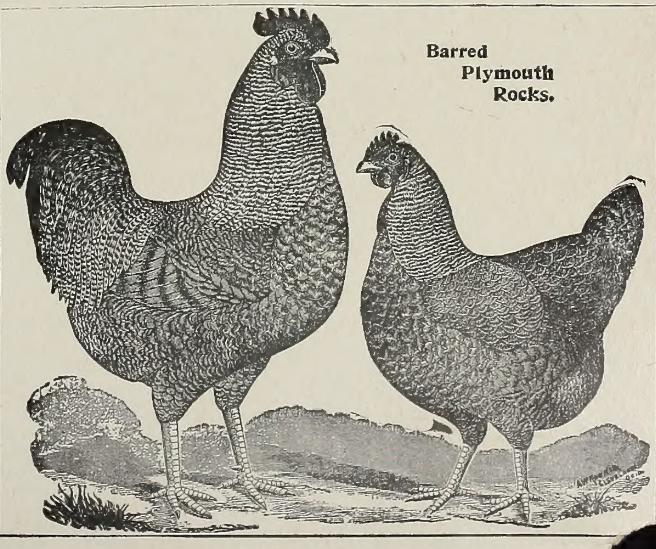
Poultry Houses and Fixtures.

32 pages, 9 x 12. Contains up-to-date designs of practical poultry building and special fixtures. Shows you how to build a cheap or a good house or coop. Beginners should have this book. Price, 50 cents.

Other books that we have not room to describe:

Ducks and Geese.	Price, 50 cents
Plymouth Rocks—Barred, White and Buff.	Price, 50 cents
Wyandottes—White, Buff, Golden, Silver and Black.	Price, 50 cents
The Leghorns—Brown, White, Black and Buff.	Price, 50 cents
The Bantam Fowl.	Price, 50 cents
Turkeys—All Varieties.	Price, 50 cents
The American Standard of Perfection.	Price, $1.00

All of the above postpaid, and money refunded if not satisfactory.



Barred Plymouth Rocks.

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ROSS .BROS.

CATALOGUE